

Daily Report 119/2020

20 May 2020¹

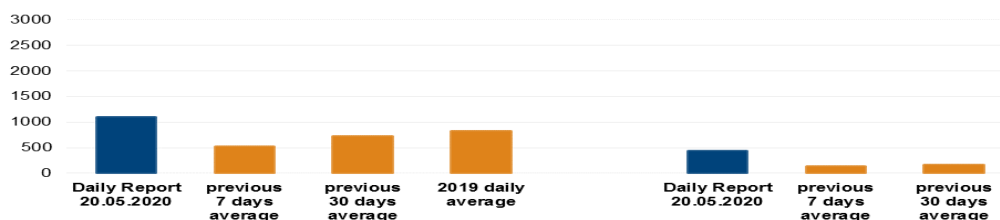
Summary

- Compared with the previous reporting period, the Mission recorded more ceasefire violations in both Donetsk and Luhansk regions.
- An SMM mini-unmanned aerial vehicle (UAV) spotted recent damage and craters due to shelling at and near an operational water treatment plant close to non-government-controlled Betmanove, Donetsk region.
- Members of the armed formations denied the Mission passage at a checkpoint along an official crossing route in Luhansk region.*
- The SMM continued monitoring the disengagement areas near Stanytsia Luhanska, Zolote and Petrivske. SMM UAVs spotted people inside the disengagement area near Petrivske, including during night hours.
- The Mission saw weapons in violation of withdrawal lines on both sides of the contact line.
- An SMM mid-range UAV spotted for the first time 80 anti-tank mines near government-controlled Novhorodske, Donetsk region.
- The Mission continued following up on measures taken amid the COVID-19 outbreak, including at entry-exit checkpoints and their corresponding checkpoints in Donetsk and Luhansk regions.
- The SMM's freedom of movement continued to be restricted.*

Ceasefire violations²

Number of recorded ceasefire violations³

Number of recorded explosions⁴



¹ Based on information from the Monitoring Teams as of 19:30, 19 May 2020. 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 Petrivske was not operational.

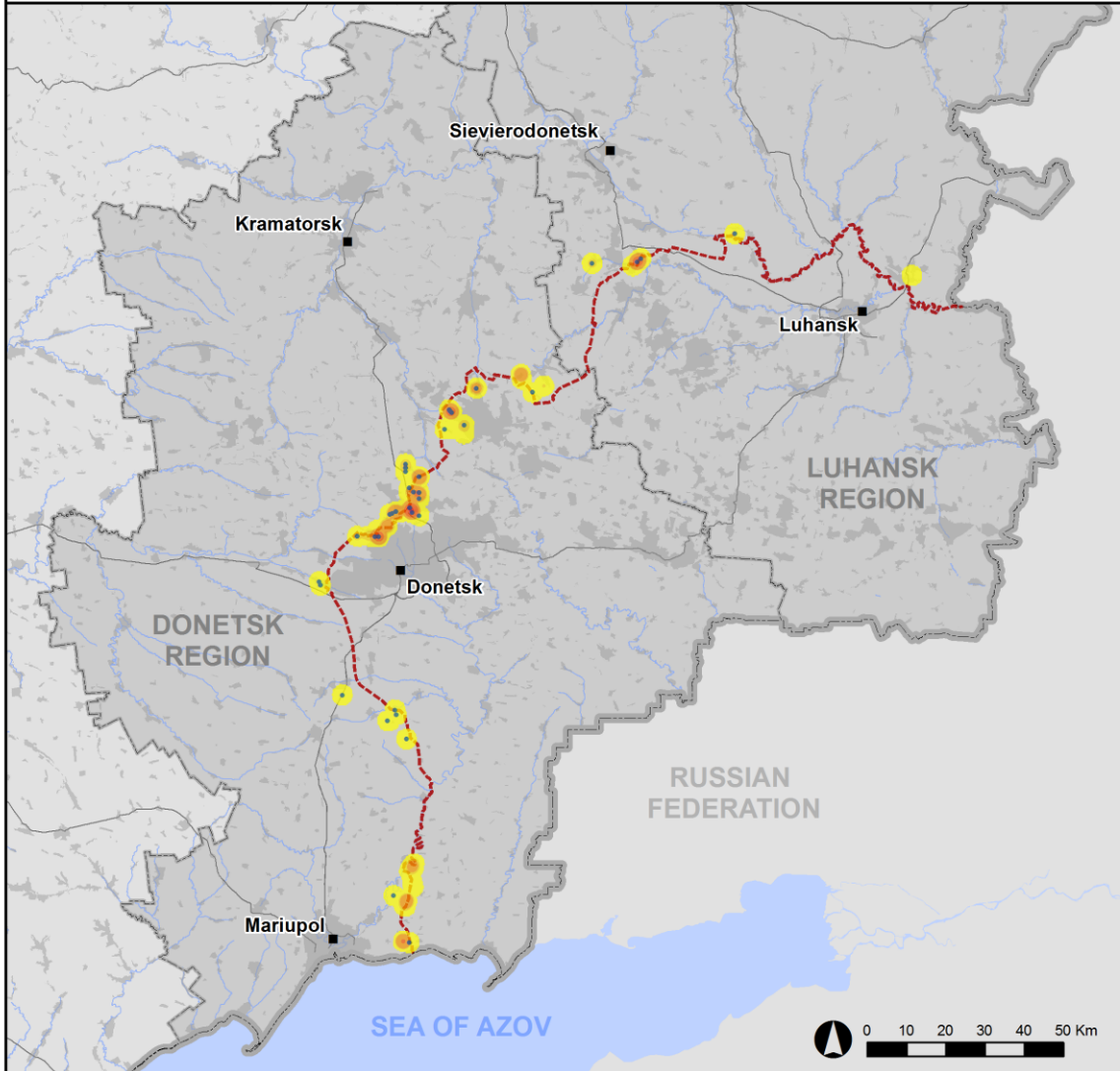
³ Including explosions.

⁴ Including from unidentified weapons.

Map of recorded ceasefire violations

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

Ceasefire violations observed by the SMM 19 May 2020



Ceasefire violation concentration

- High
-
- Low

- 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: 20/05/2020

In Donetsk region, the SMM recorded an approximate three-fold increase in the number of ceasefire violations, including an approximate six-fold increase in the number of explosions (about 300), compared with the [previous reporting period](#) (45 explosions). The majority of ceasefire violations, including about half of the explosions, were recorded near the Donetsk Filtration Station (DFS) (15km north of Donetsk) (see below) and in areas north-east and west of non-government-controlled Donetsk city.

In Luhansk region, the SMM recorded more ceasefire violations, including more explosions (about 120), compared with the [previous reporting period](#) (about 30 explosions). Almost all ceasefire violations, including most explosions, were recorded at north-easterly and north-westerly directions of the disengagement area near Zolote (government-controlled, 60km west of Luhansk) (see below).

Damage and craters due to shelling at and near an operational water treatment plant close to Betmanove

On 17 May, an SMM mini-UAV spotted for the first time two impact holes in the eastern side of the roof of a building located at the centre of an operational water plant about 500m east of Betmanove (formerly Krasnyi Partyzan, non-government-controlled, 23km north-east of Donetsk). It also spotted an impact hole in the western side of the roof and another in the west-south-west facing side of the same building. The UAV also spotted for the first time at least two craters in fields about 250m north of the plant, as well as at least 15 craters about 250m south-south-west and at least two craters about 350m north-north-east of it. The SMM assessed all damage and craters as recent and caused by mortar rounds (82mm and 120mm) and probable artillery rounds (122mm) fired from a north-westerly direction.

About 1km north-north-west of the plant, in fields surrounding former agricultural buildings assessed as being used by the armed formations, the UAV spotted for the first time eight craters about 100m east, one about 150m north and five about 300m west of the buildings, as well as at least seven craters further 300m west of them. All these craters were assessed as recent and caused by mortar rounds (82mm and 120mm) and artillery rounds (122mm) fired from a north-westerly direction. About 1km west-north-west of the plant, in a field about 100m east of the nearest inhabited residential house, the UAV spotted for the first time a crater assessed as recent and caused by a 122mm artillery round fired from a north-westerly direction. On 17 May, three residents living nearby (two men and one woman, aged 40-70) told the SMM that in the early morning of 14 May, they had heard impacts and explosions.

Members of the armed formations denied the SMM passage at a checkpoint along the contact line in Luhansk region

Members of the armed formations continued to deny the SMM passage at a checkpoint in Luhansk region along an official crossing route. This restriction constitutes an impediment to the implementation of the Mission's mandate.⁵

In Luhansk region, at a checkpoint south of the Stanytsia Luhanska bridge (15km north-east of Luhansk), a member of the armed formations [again](#) denied the SMM passage towards

⁵ The Mission began facing repeated denials when attempting to cross into non-government-controlled areas at checkpoints of the armed formations in Donetsk region on 21 March and Luhansk region on 23 March. For more information, see SMM Daily and Spot Reports.

non-government-controlled areas, referring to quarantine restrictions due to the COVID-19 outbreak. He added that the Mission would also not be allowed passage in the opposite direction.*

Disengagement areas near Stanytsia Luhanska, Zolote and Petrivske⁶

On 18 May, outside the **disengagement area near Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk), an SMM mini-UAV observed two infantry fighting vehicles (BMP-1) about 20m north of the area's northern edge, near residential houses (see table below).

On the evening of 18 May, while on the eastern edge of Stanytsia Luhanska, the SMM heard a shot of small-arms fire at an assessed range of 1-2km east-south-east assessed as outside the disengagement area but within 5km of its periphery.

On 19 May, inside the disengagement area, the SMM saw four members of the armed formations (wearing armbands with "JCCC" written on them) between the new span of the Stanytsia Luhanska bridge and their checkpoint south of it.

On 16 May, inside the **disengagement area near Zolote**, at two locations in fields east and west of road T-1316, an SMM mini-UAV again spotted 20 anti-tank mines (TM-62) assessed as part of a larger minefield of about 500 anti-tank mines, all assessed as belonging to the armed formations, as well as a sign (assessed as a mine hazard sign) on either side of the same road (for previous observations, see [SMM Daily Report 10 April 2020](#)).

On 16 May, outside the disengagement area, about 100m north of the its northern edge and about 25m from residential houses, an SMM mini-UAV spotted four armoured combat vehicles assessed as belonging to the Ukrainian Armed Forces (see table below).

On 19 May, inside the disengagement area, an SMM mini-UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying over areas south of the area's northern edge.*

On the same day, the Mission saw nine members of the armed formations (wearing armbands with "JCCC" written on them) near the southern edge of the disengagement area, some of whom were walking on road T-1316 inside the disengagement area up to about 350m north of its southern edge.

On the same day, while positioned on the southern edge of the disengagement area and at two other locations near it, the SMM heard about 100 undetermined explosions and about 20 bursts of small-arms and heavy-machine-gun fire, all assessed as outside the disengagement area but within 5km of its periphery.

On 17 May, inside the **disengagement area near Petrivske** (non-government-controlled, 41km south of Donetsk), about 850m south of the area's northern edge and about 20m west of its eastern edge, an SMM mini-UAV again spotted 16 anti-tank mines and 60 anti-tank mines about 1km further south, close to the area's south-eastern corner.

⁶ Disengagement is foreseen in the Framework Decision of the Trilateral Contact Group relating to disengagement of forces and hardware of 21 September 2016.

On the same day, outside the disengagement area, about 350m north-west of the area's north-eastern corner, the UAV again spotted 16 anti-tank mines, which appeared to have been placed in a cluster after demining activities. About 200m east of the area and about 250m south of Petrivske, the UAV again spotted about 60 anti-tank mines (probable TM-62). About 150m south-west of these mines, in a hole in a footpath, the UAV again spotted two anti-personnel mines and an anti-tank mine.

All the abovementioned mines were assessed as belonging to the armed formations (for previous observations, see SMM Daily Reports of [7 February 2020](#), [6 May 2020](#) and [14 May 2020](#)).

On 15 May, during night hours, inside the disengagement area, an SMM long-range UAV spotted two persons near former positions of the armed formations (about 100m west of the area's eastern edge and about 50m north of its southern edge). About 1.5km east of the area's western edge and 150m north of its southern edge, the same UAV also spotted a person carrying an object, assessed as a bag, while walking along a treeline in a north-easterly direction, close to former positions of the Ukrainian Armed Forces. On 17 May, an SMM mini-UAV spotted two persons near former positions of the armed formations on the area's eastern edge, about 350m north of its southern edge.

On 17 May, outside the disengagement area, in a field about 25m from the eastern side of road C-051532 between Styla (non-government-controlled, 34km south of Donetsk) and Petrivske, an SMM mini-UAV saw an anti-tank mine partially buried in the ground, about 10m south of where an anti-vehicle mine (TM-83) was [previously observed](#). About 250m north-east of the anti-tank mine, in a field about 150m from the eastern side of the same road, the UAV [again](#) spotted seven anti-tank mines (TM-62) (six with their fuses removed) and three signs (assessed as mine hazard signs, of which one was lying on the ground). All these mines were assessed as belonging to the armed formations.

On the same day, outside the disengagement area, the UAV also again spotted about 15 anti-tank mines north of a road between Bohdanivka (government-controlled, 41km south-west of Donetsk) and Viktorivka (non-government-controlled, 42km south-west of Donetsk), assessed as belonging to the Ukrainian Armed Forces (for previous observations, see [SMM Daily Report 8 April 2020](#)).

On 19 May, while positioned at two locations near the disengagement area, the SMM heard nine undetermined explosions and two shots of small-arms fire, all assessed as outside the disengagement area but within 5km of its periphery.

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 saw 18 weapons in violation of withdrawal lines – four in government-controlled areas of Donetsk region and the remainder in non-government-controlled areas of Donetsk and Luhansk regions (for further details, see the table below).

Indications of military and military-type presence inside the security zone⁷

The SMM observed armoured combat vehicles and anti-aircraft guns in the security zone on both sides of the contact line (for further details, see the table below).

On 19 May, while positioned on the western edge of Zhovte (non-government-controlled, 17km north-west of Luhansk), the SMM saw a non-SMM UAV (assessed as a quadcopter) flying in a northerly direction at an altitude of about 100m above its position.

Presence of anti-tank mines, some spotted for the first time, near Shyroka Balka, Novhorodske and Lozove

On 15 May, in a field about 3km south-west of Shyroka Balka (non-government-controlled, 34km north-east of Donetsk), an SMM mid-range UAV spotted about 150 anti-tank mines assessed as belonging to the armed formations (for previous observations, see [SMM Daily Report 14 March 2019](#)).

At four locations in fields north and south of Novhorodske (government-controlled, 35km north of Donetsk), the same UAV spotted about 900 anti-tank mines (about 80 of which for the first time) assessed as belonging to the Ukrainian Armed Forces (for previous observations, see SMM Daily Reports of [27 September 2018](#) and [14 March 2019](#)).

In three areas throughout fields located easterly of Troitske (government-controlled, 30km north of Donetsk), the UAV spotted about 480 anti-tank mines assessed as belonging to the Ukrainian Armed Forces (for previous observations, see SMM Daily Report of [14 March 2019](#) and [25 April 2019](#)).

On 15 May, an SMM long-range UAV [again](#) spotted about 20 anti-tank mines laid across both carriageways of an unfinished highway near Lozove (non-government-controlled, 13km west of Donetsk), assessed as belonging to the armed formations.

SMM facilitation of repairs to and operation of critical civilian infrastructure

On 19 May, the SMM facilitated and monitored adherence to a localised ceasefire to enable repairs to water infrastructure near Pankivka (non-government-controlled, 16km north of Luhansk), as well as to facilitate demining activities in Krasnyi Yar (non-government-controlled, 12km north-east of Luhansk).

The SMM continued to facilitate the operation of the DFS. While positioned at three locations near the DFS, the Mission recorded about 30 explosions, including six assessed as outgoing and six assessed as impacts, as well as bursts and shots of small-arms and heavy-machine-gun fire, all assessed as within a 5km radius of the DFS.

Measures taken at entry-exit checkpoints and corresponding checkpoints amid COVID-19 outbreak

In Luhansk region, on 19 May, the SMM saw that the EECP in Stanytsia Luhanska and the corresponding checkpoint of the armed formations south of the Stanytsia Luhanska bridge remained closed.*

⁷ The hardware mentioned in this section is not proscribed by the provisions of the Minsk agreements on the withdrawal of weapons.

On 19 May, the SMM saw 12 pedestrians (mixed genders and ages) crossing the EECP in Stanytsia Luhanska and the corresponding checkpoint of the armed formations towards non-government-controlled areas. At the EECP, the SMM saw an ambulance and a member of medical staff. Subsequently, the SMM camera south of the Stanytsia Luhanska bridge recorded a group of civilians boarding a bus and leaving the area of the aforementioned checkpoint of the armed formations. Shortly thereafter, the same camera recorded the bus returning to the area of the checkpoint and unloading a group of civilians.

The SMM also saw 19 pedestrians (mixed genders and ages), including a child and a man with limited mobility, crossing the checkpoint of the armed formations and the corresponding EECP towards government-controlled areas, as well as four members of an international humanitarian organization walking in the same direction.

Border areas outside government control

On 19 May, the SMM monitored areas along the border outside government control near Dibrivka (93km east of Donetsk) and Dmytrivka (85km east of Donetsk).

The Mission 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 and 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 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, [SMM Daily Report 19 May 2020](#)). 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 checkpoint south of the Stanytsia Luhanska bridge (15km north-east of Luhansk), a member of the armed formations [again](#) denied the SMM passage towards non-government-controlled areas, referring to quarantine restrictions due to the COVID-19 outbreak. He added that the Mission would also not be allowed passage in the opposite direction.

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 evening of 15 May, an SMM long-range UAV experienced signal interference, assessed as caused by probable jamming, while flying over areas between government-controlled Kleban Byk (48km north of Donetsk) and Toretsk (formerly Dzerzhynsk, 43km north of Donetsk).⁸
- On 19 May, an SMM mid-range UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying over areas of Mykolaiivka (government-controlled, 40km south of Donetsk).
- On 19 May, an SMM mini-UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying over areas inside the disengagement area near Zolote (government-controlled, 60km west of Luhansk) (see above).
- On 19 May, an SMM mini-UAV experienced GPS signal interference on two occasions, assessed as caused by probable jamming, while flying over areas near Molodizhne (non-government-controlled, 63km west of Luhansk).

⁸ The interference could have originated from anywhere within the radius of kilometres from the UAVs' positions.

Table of weapons

Weapons in violation of withdrawal lines

Date	No. of weapons	Type of weapon	Location	Source of observation
Government-controlled areas				
15/05/2020	2	Self-propelled howitzer (2S1 <i>Gvozdika</i> , 122mm)	Near Petrivske (24km north of Donetsk)	Long-range UAV
	2	Probable towed howitzer (D-20, 152mm)	Near Druzhba (45km north-east of Donetsk)	Mini-UAV
Non-government-controlled areas				
15/05/2020	5	Tank (T-72)	In a training area near Novoselivka (37km north-east of Donetsk)	Mini-UAV
	3	Self-propelled howitzer (2S1 <i>Gvozdika</i> , 122mm)		
17/05/2020	6	Self-propelled howitzer (2S1 <i>Gvozdika</i> , 122mm) (five probable)	Near residential houses in Komisarivka (60km west of Luhansk)	Mini-UAV

Table of military and military-type presence in the security zone⁹

Date	No.	Type	Location	Source of observation
Government-controlled areas				
15/05/2020	4	Armoured combat vehicle	Near Novhorodske (35km north of Donetsk)	Mid-range UAV
	1	Probable armoured reconnaissance vehicle (BRDM-2)		
	4	Armoured combat vehicle	On the southern edge of Zolote-4/Rodina (59km west of Luhansk)	Mini-UAV
18/05/2020	2	Infantry fighting vehicle (BMP-1)	On the southern edge of Stanytsia Luhanska (16km north-east of Luhansk)	
19/05/2020	1	Anti-aircraft gun (ZU-23, 23mm)	Near Verzhyna (63km north-east of Donetsk)	Patrol
	1	Infantry fighting vehicle (BMP-2)	At a checkpoint of the Ukrainian Armed Forces, about 300m north of the disengagement area near Zolote (60km west of Luhansk)	
Non-government-controlled areas				
15/05/2020	3	Armoured combat vehicle	In a training area near Novoselivka (37km north-east of Donetsk)	Mini-UAV
	1	Infantry fighting vehicle (BMP-1)		
17/05/2020	1	Probable armoured personnel carrier (MT-LB)	In Petrivske (41km south of Donetsk)	Mini-UAV
	1	Anti-aircraft gun (ZU-23, 23mm)	Near Yashchykove (46km west of Luhansk)	

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 19 May 2020¹⁰

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	2-4km ESE	Recorded	1	Projectile	SW to NE	N/K	18-May, 21:15
	6-8km ESE	Recorded	2	Explosion	Undetermined (also recorded the SMM camera at the DFS)	N/K	18-May, 21:23
	4-6km ESE	Recorded	1	Projectile	NNW to SSE (also recorded the SMM camera at the DFS)	N/K	18-May, 21:37
	4-6km ESE	Recorded	1	Explosion	Undetermined (also recorded the SMM camera at the DFS)	N/K	18-May, 21:46
	4-6km ESE	Recorded	1	Projectile	SSW to NNE (also recorded the SMM camera at the DFS)	N/K	18-May, 22:04
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	2-3km SE	Recorded	11	Projectile	W to E	N/K	18-May, 20:45
	2-4km SE	Recorded	1	Projectile	NNE to SSW	N/K	18-May, 20:54
	2-3km SE	Recorded	7	Projectile	NNE to SSW	N/K	18-May, 21:41
	2-3km ESE	Recorded	9	Projectile	In vertical flight	N/K	18-May, 22:38
	3-5km SSE	Recorded	2	Projectile	NNE to SSW	N/K	18-May, 23:36
	2-4km SSE	Recorded	2	Projectile	NNE to SSW	N/K	19-May, 03:27
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-3km SSW	Recorded	2	Projectile	NW to SE	N/K	18-May, 20:58
	1-3km SSW	Recorded	1	Projectile	NW to SE	N/K	18-May, 20:59
	0.9-1.3km S	Recorded	4	Muzzle flash		N/K	18-May, 21:48
	1-3km SSW	Recorded	1	Projectile	NW to SE	N/K	18-May, 22:01
	1-3km SSW	Recorded	1	Projectile	W to E	N/K	18-May, 22:01
	1-3km SSW	Recorded	2	Projectile	NW to SE (also recorded by the SMM camera in Avdiivka)	N/K	18-May, 22:27
	1-3km SSW	Recorded	1	Projectile	WNW to ESE (also recorded by the SMM camera in Avdiivka)	N/K	18-May, 22:45
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	3-4km ESE	Recorded	4	Projectile	SSW to NNE	N/K	18-May, 21:54
	3-4km ESE	Recorded	1	Muzzle flash		N/K	18-May, 22:32
	3-4km SE	Recorded	3	Projectile	In vertical flight	N/K	18-May, 23:23
	3-4km ESE	Recorded	3	Projectile	SSW to NNE	N/K	18-May, 23:23
	3-4km ESE	Recorded	1	Muzzle flash		N/K	18-May, 23:51
	3-4km ESE	Recorded	11	Projectile	SSW to NNE	N/K	19-May, 00:32
	3-4km ESE	Recorded	1	Projectile	SSW to NNE	N/K	19-May, 00:33
	3-4km ESE	Recorded	5	Projectile	SSW to NNE	N/K	19-May, 01:13
	3-4km ESE	Recorded	4	Projectile	SSW to NNE	N/K	19-May, 01:17
	3-4km ESE	Recorded	7	Projectile	SSW to NNE	N/K	19-May, 01:18

¹⁰ The table only includes ceasefire violations directly observed by the 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.

	3-5km SE	Recorded	1	Projectile	NNE to SSW	N/K	19-May, 02:53
	3-5km SE	Recorded	8	Projectile	SSW to NNE	N/K	19-May, 02:54
SMM camera at entry-exit checkpoint in Hnutove (government-controlled, 90km S of Donetsk)	2-4km ENE	Recorded	1	Muzzle flash		N/K	18-May, 23:36
	2-4km E	Recorded	2	Projectile	NW to SE	N/K	18-May, 23:36
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	3-5km E	Recorded	25	Projectile	S to N	N/K	18-May, 22:08
	3-5km E	Recorded	1	Explosion	Airburst	N/K	18-May, 22:12
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	2-4km NNW	Recorded	1	Explosion	Undetermined	N/K	19-May, 00:09
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	1-3km NNW	Recorded	1	Explosion	Undetermined	N/K	19-May, 00:15
	1-3km NNW	Recorded	1	Explosion	Undetermined	N/K	19-May, 00:37
	1-3km NNW	Recorded	1	Explosion	Undetermined	N/K	19-May, 00:52
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	2-4km NNE	Recorded	33	Projectile	In vertical flight	N/K	19-May, 00:13
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	3-5km N	Recorded	2	Projectile	In vertical flight	N/K	18-May, 21:54
	3-5km N	Recorded	1	Projectile	In vertical flight	N/K	18-May, 21:56
	3-5km N	Recorded	11	Projectile	SW to NE	N/K	18-May, 23:08
	3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	18-May, 23:56
	3-5km N	Recorded	15	Projectile	WSW to ENE	N/K	19-May, 00:41
	3-5km N	Recorded	4	Projectile	WSW to ENE	N/K	19-May, 01:22
	3-5km N	Recorded	2	Projectile	SW to NE	N/K	19-May, 01:27
	3-5km N	Recorded	17	Projectile	SW to NE	N/K	19-May, 01:28
	3-5km N	Recorded	3	Projectile	SW to NE	N/K	19-May, 01:37
	3-5km N	Recorded	9	Projectile	E to W	N/K	19-May, 02:52
3-5km N	Recorded	1	Projectile	W to E	N/K	19-May, 02:53	
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-4km W	Recorded	44	Projectile	ESE to WNW	N/K	18-May, 22:07
	2-4km WSW	Recorded	1	Projectile	In vertical flight	N/K	18-May, 22:07
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	6-8km N	Heard	12	Explosion	Undetermined	N/K	19-May, 09:14-09:35
	2-3km SW	Heard	71	Shot		Small arms	19-May, 09:26-09:54
	2-3km SW	Heard	33	Burst		Small arms	19-May, 09:26-09:54
	2-3km WSW	Heard and saw	1	Explosion	Undetermined	N/K	19-May, 09:55
	6-8km N	Heard	1	Explosion	Undetermined	N/K	19-May, 09:51
	2-3km WSW	Heard	1	Explosion	Undetermined	N/K	19-May, 09:59
2-3km SW	Heard	36	Shot		Small arms	19-May, 10:06-10:10	

	2-3km SW	Heard	25	Burst		Small arms	19-May, 10:06-10:10
	6-8km N	Heard	4	Explosion	Undetermined	N/K	19-May, 10:40-10:52
	2-3km WSW	Heard	14	Shot		Small arms	19-May, 11:08-11:11
	2-3km WSW	Heard	4	Burst		Small arms	19-May, 11:08-11:11
	2-3km WSW	Heard	12	Burst		HMG	19-May, 11:08-11:11
	2-4km N	Heard	2	Explosion	Impact		19-May, 11:11
	2-4km N	Heard	2	Explosion	Outgoing	N/K	19-May, 11:11
	2-3km N	Heard	7	Burst		Small arms	19-May, 11:14-11:17
	6-8km N	Heard	12	Explosion	Undetermined	N/K	19-May, 11:17-11:34
	2-3km N	Heard	38	Burst		Small arms	19-May, 11:18
	1.5-2km W	Heard	8	Shot		Small arms	19-May, 11:20
	2-3km WSW	Heard	2	Explosion	Undetermined	N/K	19-May, 11:24
	2-4km N	Heard	4	Explosion	Outgoing	N/K	19-May, 11:26-11:28
	2-4km N	Heard	4	Explosion	Impact	N/K	19-May, 11:26-11:28
	6-8km N	Heard	4	Explosion	Undetermined	N/K	19-May, 11:36-11:41
	6-8km N	Heard	4	Explosion	Undetermined	N/K	19-May, 11:44-11:48
	6-8km N	Heard	12	Explosion	Undetermined	N/K	19-May, 13:07
	2-3km WSW	Heard	3	Explosion	Undetermined	N/K	19-May, 13:38
	6-8km N	Heard	11	Explosion	Undetermined	N/K	19-May, 13:25
	1-2km N	Heard	1	Explosion	Undetermined	N/K	19-May, 13:52
	2-3km SW	Heard	6	Burst		HMG	19-May, 14:00
	2-3km WSW	Heard	6	Explosion	Undetermined	N/K	19-May, 14:10
	6-8km N	Heard	2	Explosion	Undetermined	N/K	19-May, 14:14
	2-3km WSW	Heard	2	Explosion	Undetermined	N/K	19-May, 14:26
	2-3km WSW	Heard	3	Shot		Small arms	19-May, 14:26
Railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km W	Heard	5	Burst		HMG	19-May, 12:35
SE edge of Avdiivka (government-controlled, 17km N of Donetsk)	2km S	Heard	6	Shot		Small arms	19-May, 09:04
	3-4km SW	Heard	2	Explosion		N/K	19-May, 09:34
Railway station in Donetsk city (non-government-controlled, 6km NW of Donetsk city centre)	6-8km N	Heard	13	Explosion	Undetermined	N/K	19-May, 09:11-09:36
About 2km NW of railway station in Donetsk city (non-government-controlled, 6km NW of Donetsk city centre)	6-8km NNE	Heard	2	Explosion	Undetermined	N/K	19-May, 09:49
	1-2km W	Heard	1	Explosion	Undetermined	N/K	19-May, 10:16
	1-2km W	Heard	7	Burst		Small arms	19-May, 10:16
	1-2km W	Heard	45	Burst		Small arms	19-May, 10:27-10:30
	6-8km NNE	Heard	14	Explosion	Undetermined	N/K	19-May, 10:46
	2-3km NW	Heard	3	Shot		Small arms	19-May, 10:48
	1-2km W	Heard	2	Burst		Small arms	19-May, 11:00

	1-2km NW	Heard	2	Burst		Small arms	19-May, 11:00
	6-8km NNE	Heard	18	Explosion	Undetermined	N/K	19-May, 11:27-11:32
	1-2km W	Heard	8	Burst		Small arms	19-May, 11:27-11:32
	6-8km NNE	Heard	10	Explosion	Undetermined	N/K	19-May, 11:48-11:51
	1-2km W	Heard	16	Burst		Small arms	19-May, 11:54-11:55
	6-8km W	Heard	4	Explosion	Undetermined	N/K	19-May, 11:55
	2-3km W	Heard	1	Explosion	Undetermined	N/K	19-May, 11:55
	1-2km W	Heard	4	Burst		Small arms	19-May, 12:00
	6-8km W	Heard	2	Explosion	Undetermined	N/K	19-May, 12:01
	1-2km W	Heard	19	Shot		N/K	19-May, 12:07-12:10
	6-8km W	Heard	3	Explosion	Undetermined	N/K	19-May, 12:13
About 2km N of Petrivske (non-government-controlled, 41km S of Donetsk)	4-6km W	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	19-May, 10:09-10:12
	4-6km W	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	19-May, 10:25
About 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	2-4km NNW	Heard	1	Shot	Assessed as outside the Petrivske disengagement area	Small arms	19-May, 09:23
	2-4km NNW	Heard	3	Explosion	Undetermined (assessed as outside the Petrivske disengagement area)	N/K	19-May, 09:44-09:55
	2-4km W	Heard	1	Explosion	Undetermined (assessed as outside the Petrivske disengagement area)	N/K	19-May, 10:18
	2-4km W	Heard	1	Explosion	Undetermined (assessed as outside the Petrivske disengagement area)	N/K	19-May, 10:24
	2-3km W	Heard	1	Shot	Assessed as outside the Petrivske disengagement area	Small arms	19-May, 10:29
	4-6km SSE	Heard	1	Explosion	Undetermined (assessed as outside the Petrivske disengagement area)	N/K	19-May, 13:21
About 2km E of Mykolaivka (government-	5-6km NW	Heard and saw	1	Explosion	Undetermined	N/K	19-May, 10:11

controlled, 40km S of Donetsk)							
About 2km NE of Chernenko (government-controlled, 86km S of Donetsk)	N/K NNE	Heard	1	Explosion	Undetermined	N/K	19-May, 11:17
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	3-5km N	Heard	1	Explosion	Undetermined	N/K	19-May, 10:21
	3-5km N	Heard	1	Explosion	Undetermined	N/K	19-May, 10:39
	3-5km N	Heard	3	Explosion	Undetermined	N/K	19-May, 10:45
	2-4km N	Heard	3	Explosion	Undetermined	N/K	19-May, 10:49
	2-4km SE	Heard	3	Explosion	Undetermined	N/K	19-May, 11:55-11:59
	2-4km SE	Heard	30	Burst		HMG	19-May, 11:55-11:59
	4-6km N	Heard	10	Explosion	Undetermined	N/K	19-May, 12:10-12:20
	2-3km SSE	Heard	5	Burst		Small arms	19-May, 12:35
About 2km WNW of Pisky (government-controlled, 12km NW of Donetsk)	1-3km SE	Heard	7	Shot		Small arms	19-May, 11:50
	1-3km SE	Heard	3	Shot		Small arms	19-May, 12:00
	1-3km SE	Heard	2	Shot		Small arms	19-May, 12:10
Svitlodarsk (government-controlled, 57km NE of Donetsk)	4-5km S	Heard	2	Explosion	Undetermined	N/K	18-May, 22:15
	3-5km SE	Heard	7	Burst		HMG	18-May, 22:16-22:17
Horlivka (non-government-controlled, 39km NE of Donetsk)	6-8km NW	Heard	4	Explosion	Undetermined	N/K	19-May, 00:40-01:12
	1-2km SW	Heard	3	Burst		Small arms	19-May, 00:42
	3-5km W	Heard	5	Burst		HMG	19-May, 01:00-01:03
	5-7km NW	Heard	7	Explosion	Undetermined	N/K	19-May, 03:52-04:17
	1-2km NW	Heard	13	Explosion	Outgoing	Mortar (type N/K)	19-May, 04:17-04:27
	5-7km NW	Heard	13	Explosion	Impact	Mortar (type N/K)	19-May, 04:17-04:27
	5-8km NW	Heard	8	Explosion	Undetermined	N/K	19-May, 04:34-04:45
	5-8km NW	Heard	36	Explosion	Undetermined	N/K	19-May, 04:50-05:02
	5-7km W	Heard	2	Explosion	Undetermined	N/K	19-May, 06:05-06:07
	5-8km NW	Heard	31	Explosion	Undetermined	N/K	19-May, 06:40-07:22
	6-8km NW	Heard	1	Explosion	Undetermined	N/K	19-May, 17:01
E edge of Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)	1-2km ESE	Heard	1	Shot	Assessed as outside the disengagement area	Small arms	18-May, 22:43
N edge of Popasna (government-controlled, 69km W of Luhansk)	3-6km NE	Heard	10	Explosion	Undetermined	N/K	19-May, 05:20-05:45

Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	14-15km NNW	Heard	97	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	19-May, 05:50-06:02
About 300m NE of the N edge of the disengagement area near Zolote (government-controlled, 60km W of Luhansk)	5-7km ENE	Heard	5	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	19-May, 10:10-10:15
	5-7km ENE	Heard	15	Burst	Assessed as outside the disengagement area	HMG	19-May, 10:10-10:15
About 3km N of Pervomaisk (non-government-controlled, 58km W of Luhansk)	3-5km NE	Heard	4	Burst	Assessed as outside the Zolote disengagement area	Small arms	19-May, 10:11-10:20
S edge of Krasnyi Lyman (non-government-controlled, 30km NW of Luhansk)	5-7km NW	Heard	8	Explosion	Undetermined	N/K	19-May, 12:27-12:28

Map of Donetsk and Luhansk regions¹¹



¹¹The 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).