

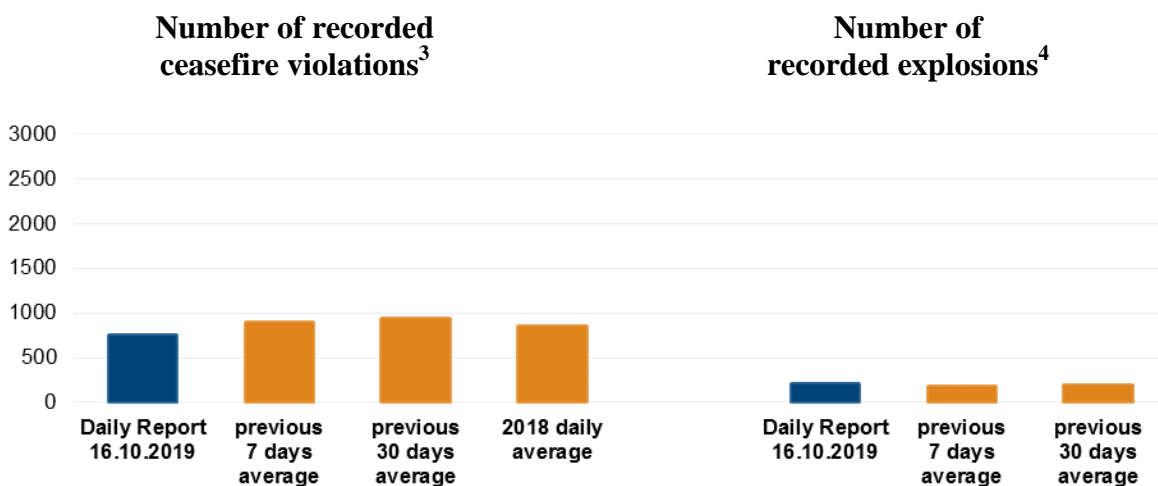
# Daily Report 245/2019

16 October 2019<sup>1</sup>

## Summary

- Compared with the previous reporting period, the SMM recorded fewer ceasefire violations in Donetsk region and more in Luhansk region.
- Inside the Stanytsia Luhanska disengagement area, the SMM continued observing workers from government-controlled areas conduct construction work at the broken section of the bridge and members of the armed formations clearing of vegetation.
- Inside the disengagement areas near Zolote and Petrivske, the SMM continued seeing military and military-type presence. It continued observing clearing of vegetation by the Ukrainian Armed Forces inside the Zolote disengagement area.
- The Mission monitored adherence to the ceasefire to facilitate the operation of and repairs to critical civilian infrastructure along the contact line.
- The SMM monitored events related to the Defender of Ukraine Day.
- Restrictions of the Mission's freedom of movement continued, including at a checkpoint of the armed formations near Verkhnoшыrokivske and at a border crossing point in non-government-controlled Dovzhanske.\*

## Ceasefire violations<sup>2</sup>



<sup>1</sup> Based on information from the Monitoring Teams as of 19:30, 15 October 2019. All times are in Eastern European Summer Time.

<sup>2</sup> For a complete breakdown of ceasefire violations, please see the annexed table. During the reporting period, the SMM cameras at Donetsk Filtration Station and in the southern part of Zolote disengagement area were not operational.

<sup>3</sup> Including explosions.

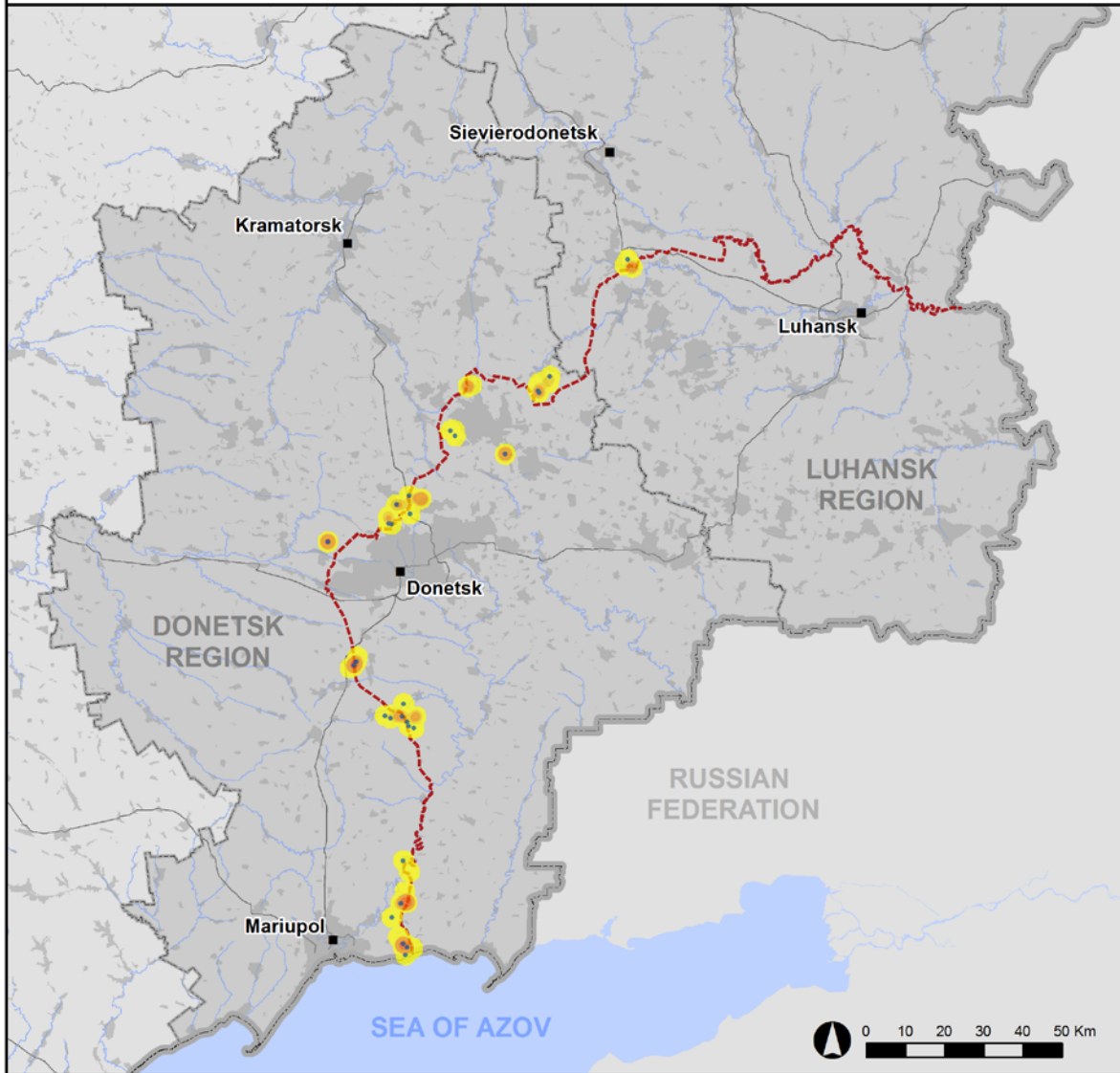
<sup>4</sup> Including from unidentified weapons.

### Map of recorded ceasefire violations

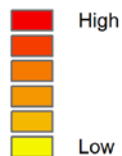


Organization for Security and  
Co-operation in Europe  
Special Monitoring Mission to Ukraine

## Ceasefire violations observed by the SMM 15 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: 16/10/2019

In Donetsk region, the SMM recorded fewer ceasefire violations, including fewer explosions (206), compared with the [previous reporting period](#) (325 explosions). The majority of ceasefire violations were recorded south and south-south-east of Pyshevyk (government-controlled, 84km south of Donetsk), north, north-north-east, and north-east of Shyrokyne (government-controlled, 100km south of Donetsk), and at south-easterly directions of Berezove (government-controlled, 31km south-west of Donetsk).

In Luhansk region, the Mission recorded more ceasefire violations, however fewer explosions (one), compared with the [previous reporting period](#) (six explosions). The majority of ceasefire violations were recorded east and east-north-east of Zolote (government-controlled, 60km west of Luhansk) and north-east of Pervomaisk (non-government-controlled, 58km west of Luhansk).

### Disengagement areas near Stanytsia Luhanska, Zolote and Petrivske<sup>5</sup>

On 15 October, inside the **disengagement area near Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk), the SMM saw workers from government-controlled areas dismantling metal pieces of the broken section of the bridge, and shovelling gravel and levelling the area near an unfinished pillar on the southern side of the broken section of the bridge, followed by a crane placing concrete slabs on the levelled gravel.

Inside the disengagement area the SMM saw two workers from non-government-controlled areas measuring the railings on the metal section of the bridge over the river. At the northern end of the shelter of an international humanitarian organization, south of the checkpoint of the armed formations, the SMM saw for the first time a sign saying “Temporary Crossing Point – Trespassing without a passport is forbidden”. The SMM saw six deminers from non-government-controlled areas cutting and burning vegetation on the south-western side of the bridge and three men in civilian clothing stacking logs and setting them on fire south-east of the bridge. 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. Several civilians approached the SMM and expressed their satisfaction with the temporary pedestrian bypass bridge.

On 14 October, inside the **disengagement area near Zolote**, an SMM mini-unmanned aerial vehicle (UAV) spotted several ammunition crates, assessed as for recoilless gun rounds (SPG-9), two sets of four tubular shaped items inside bags and at least 13 rocket-propelled grenade (RPG-22) tubes in a trench system about 170m long on the eastern side of road T-1316 south of the railway tracks, all assessed as belonging to the Ukrainian Armed Forces. The UAV also spotted an area starting from inside and leading to outside the disengagement area, freed of trees and vegetation, where the Mission had [previously observed demining activities](#), about 300m south-east of the checkpoint of the Ukrainian Armed Forces. About 280m south-east of the checkpoint, the UAV also spotted for the first time two trenches about 10m in length, assessed as belonging to the Ukrainian Armed Forces (not seen in imagery from 12 October).

On 15 October, inside the disengagement area, the SMM [again](#) saw new construction near previously reported soil-filled Hesco-type barriers involving a crane adding logs to the position 40m south of the northern edge of the disengagement area and on the east shoulder

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

of road T-1316. The Mission saw 40-50 Ukrainian Armed Forces soldiers clearing vegetation east and west of road T-1316 from the northern edge to 750m south of the northern edge of the disengagement area. About 160m north of the northern edge of the disengagement area, outside of it, near Zolote-4/Rodina (government-controlled, 59km west of Luhansk), the SMM saw concrete slabs next to a crane and six Ukrainian Armed Forces soldiers performing construction work.

In the evening of 14 October, the SMM camera in Zolote recorded an undetermined explosion at an assessed range of 3-5km east-north-east and a projectile in flight at an assessed range of 2-4km east, both assessed as outside the disengagement area but within its 5km periphery. On 15 October, positioned near the southern edge of the disengagement area the SMM heard 25 bursts of heavy-machine-gun fire 3-5km north-east, assessed as outside the disengagement area but within its 5km periphery.

On 14 October, inside the **disengagement area near Petrivske** (non-government-controlled, 41km south of Donetsk), an SMM mini-UAV spotted an armoured reconnaissance vehicle (BRDM-2) under camouflage as well as two trucks, near a position of the Ukrainian Armed Forces. The UAV [again](#) spotted 54 anti-tank mines (38 TM-62M and nine TM-62 laid across the road and seven on the northern and eastern sides of it) between Viktorivka (non-government-controlled, 42km south-west of Donetsk) and Bohdanivka (government-controlled, 41km south of Donetsk), assessed as belonging to the Ukrainian Armed Forces.

Inside the disengagement area, the UAV spotted an armoured combat vehicle (ACV) at positions of the armed formations on the south-eastern edge of the disengagement area, as well as a [previously spotted](#) machine gun (probable DShK) inside a previously reported trench about 5m south of the northern edge of the disengagement area and about 390m west of its eastern edge, assessed as belonging to the armed formations. Outside the disengagement area, about 110m north of the aforementioned machine gun, the same UAV [again](#) spotted 16 anti-tank mines (probable TM-62) laid 5m south of 14 holes in two rows. Also outside the disengagement area, the UAV also spotted a probable new defensive position under construction near a treeline, about 1.9km north-east of the disengagement area's north-eastern edge, assessed as belonging to the armed formations. Furthermore, about 2.4km north-east across a field, the same UAV also spotted for the first time a pile of about 80 anti-tank mines (TM-62) with seven members of the armed formations standing nearby.

On 15 October, positioned about 250m east-south-east of the north-eastern corner of the disengagement area in Petrivske, the SMM heard two undetermined explosions 1-2km west and south-west and four bursts of small-arms fire 1-2km west-south-west, all assessed as inside the disengagement area. While 2km north-east of Bohdanivka, the Mission heard one undetermined explosion 3-5km east-south-east, which the SMM was unable to determine as inside or outside the Petrivske disengagement area.

## **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 four weapons in violation of withdrawal lines in government-controlled areas of Donetsk region. It also observed 18 weapons beyond 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 zone<sup>6</sup>**

The SMM observed military and military-type presence in the security zone in government-controlled areas of Donetsk and Luhansk regions as well as non-government-controlled areas of Luhansk region, including armoured personnel carriers, infantry fighting vehicles, and armoured combat vehicle, some near residential areas.

### **SMM facilitation of operation of and repair works to civilian infrastructure**

The SMM monitored adherence to the ceasefire to facilitate repairs to power lines near Artema (government-controlled, 26km north of Luhansk) and drilling of water wells in Raivka (non-government-controlled, 16km north-west of Luhansk).

The Mission continued to facilitate the operation of the Donetsk Filtration Station (15km north of Donetsk).

### **Population survey in non-government-controlled areas of Donetsk and Luhansk region**

On 15 October, ten people from multiple locations in non-government-controlled areas of Donetsk and Luhansk regions told the SMM that they had participated in a population survey. In Panteleimonivka (non-government-controlled, 26km north-east of Donetsk), the Head of the Village Council (woman in her forties) told the SMM that 25 people had been assigned to carry out the survey, some going door-to-door and some working from two fixed locations. According to her, provision of identification documents as well as answering all the questions was not mandatory. In a settlement in Luhansk, two men and a woman told the SMM that the survey was conducted by residents of the village, making it impossible for the survey to be anonymous.

### **Border areas outside government control**

While at a border crossing point near Dovzhanske (84km south-east of Luhansk), the SMM saw one car (“LPR” plates) entering and nine cars (five with Russian Federation and one with Ukrainian licence plates, three with “LPR” plates), one truck with “LPR” plates, and one bus with “LPR” plates exiting Ukraine. After about six minutes, a member of the armed formations told the SMM to leave the area.\*

While at a pedestrian border crossing point near Novoborovytsi (79km south of Luhansk) for about 20 minutes, the SMM saw one pedestrian (man in his seventies) entering Ukraine.

### **The SMM monitored events related to the Defender of Ukraine Day**

On 14 October, in Lviv, the SMM saw about 200 people (mostly men, 25 to 40 years old) gathered at Viacheslav Chornovil monument at 26 Brativ Rohatyntsyv Street. Later, the Mission saw them walk to Ivan Franko Monument on 1 Universytetska Street, where the participants dispersed with no incidents. Throughout the gathering the SMM heard participants express messages critical of recent political developments concerning certain areas of Donetsk and Luhansk regions.

The Mission monitored a similar peaceful event in Kherson with participation of about 300 people.

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

## **SMM monitored the security situation in south-east Kherson region**

On 14 and 15 October, the Mission continued to monitor the security situation along the Sea of Azov coast in Kherson region and at the checkpoint between Chonhar (163km south-east of Kherson) and Crimea and observed a calm situation.

The Mission continued monitoring in Odessa, 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, 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 checkpoint west of Verkhnohshyrokiivske (formerly Oktiabr, non-government-controlled, 85km south of Donetsk), a member of the armed formations [again](#) denied the SMM passage.
- At the border crossing point near Dovzhanske (non-government-controlled, 84km south-east of Luhansk), a member of the armed formations [again](#) told the SMM to leave the area.

### *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:

- An SMM mid-range UAV experienced signal interference, assessed as due to probable jamming, while flying over areas near Yakovlivka (non-government-controlled, 10km north of Donetsk).<sup>7</sup>

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

## Table of weapons

### Weapons in violation of the withdrawal lines

Date	No. of weapons	Type of weapons	Location	Source of observation
<b>Government-controlled areas</b>				
14/10/2019	1	Mortar (2B11 <i>Sani</i> , 120mm)	Near residential areas on the outskirts of Novotroitske (36km south-west of Donetsk)	Mini UAV
15/10/2019	3	Towed howitzer (D-30 <i>Lyagushka</i> , 122mm)	Railway station in Kostiantynivka (60km north of Donetsk)	Patrol

### Beyond withdrawal lines but outside of designated storage sites

Date	No. of weapons	Type of weapons	Location	Source of observation
<b>Government-controlled areas</b>				
15/10/2019	2	Towed howitzer (2A36 <i>Giatsint-B</i> , 152mm)	Near Seleznivka (97km north of Donetsk)	Patrol
15/10/2019	1	Anti-tank gun (MT-12 <i>Rapira</i> , 100mm)		Patrol
15/10/2019	12	Multiple launch rocket system (BM-21 <i>Grad</i> , 122mm)	Railway station in Druzhkivka (72km north of Donetsk)	Patrol
15/10/2019	1	Surface-to-air missile system (9K35 <i>Strela-10</i> )		
15/10/2019	2	Anti-tank guided missile system (9P148 <i>Konkurs</i> , 135mm)	Railway station in Kostiantynivka (60km north of Donetsk)	Mini UAV

## Table of military presence in the security zone<sup>8</sup>

Date	No. of weapons	Type of weapons	Location	Source of observation
<b>Government-controlled areas</b>				
14/10/2019	1	Armoured combat vehicle	Novotroitske, some in residential areas (36km south-west of Donetsk)	Mini UAV
	3	Armoured personnel carrier (BTR-60)		
14/10/2019	1	Command post armoured vehicle (BMP-1KSh)	In residential areas of Zolote (60km west of Luhansk)	Mini-UAV
	1	Armoured recovery vehicle (BREM-Ch)		
	1	Trench digger (PZM-2)		
14/10/2019	1	Armoured personnel carrier (BTR-variant)	Chermalyk (77km south of Donetsk)	Mini-UAV
14/10/2019	2	Infantry fighting vehicle (BMP-1)	Berezove (31km south-west of Donetsk)	Mini-UAV
15/10/2019	1	Infantry fighting vehicle (BMP-variant)	Zolote-4/Rodina (58km west of Luhansk)	Patrol
15/10/2019	1	Armoured personnel carrier (MT-LB-S)		
15/10/2019	1	Infantry fighting vehicle (BMP-2)	Viktorivka (74km west of Luhansk)	Patrol
15/10/2019	1	Infantry fighting vehicle (BMP-1)	Orikhove-Donetske (44km north-west of Luhansk)	Patrol
15/10/2019	1	Armoured personnel carrier (BTR-80)	Toretsk (formerly Dzerzhynsk, 43km north of Donetsk)	Patrol
15/10/2019	1	Armoured personnel carrier (BTR-60)	Verkhnotoretske (23km north-east of Donetsk)	Patrol

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

15/10/2019	1	Infantry fighting vehicle (BTR-4)	Novobakhmutivka (28km north of Donetsk)	Patrol
15/10/2019	1	Armoured personnel carrier (MT-LB-S)	North of the disengagement area near Petrivske (41km south of Donetsk), near the checkpoint of the Ukrainian Armed Forces	Patrol
	1	Infantry fighting vehicle (BMP variant)		
	1	Mine ambush protected vehicle (MRAP) with a heavy-machine gun mounted on its turret		
<b>Non-government-controlled areas</b>				
15/10/2019	1	Armoured personnel carrier (BTR-70)	Kadiivka (formerly Stakhanov, 50km west of Luhansk)	Patrol
15/10/2019	1	Infantry fighting vehicle (BMP-variant)	Near residential areas of Smile (31km north-west of Luhansk)	Patrol
	1	Probable infantry fighting vehicle (BMP-variant)		



**Table of ceasefire violations as of 15 October 2019<sup>9</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-4km SE	Recorded	1	Projectile	SW to NE	N/K	14-Oct, 18:46
	2-4km SE	Recorded	2	Explosion	Undetermined	N/K	14-Oct, 18:46
	2-4km SE	Recorded	3	Projectile	SW to NE	N/K	14-Oct, 18:47
	2-4km SE	Recorded	1	Projectile	In vertical flight	N/K	14-Oct, 18:47
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 18:47
	2-4km SE	Recorded	4	Projectile	NE to SW	N/K	14-Oct, 18:48
	2-4km SE	Recorded	3	Projectile	In vertical flight	N/K	14-Oct, 18:48
	2-4km SE	Recorded	13	Projectile	SW to NE	N/K	14-Oct, 18:48
	2-4km SE	Recorded	4	Projectile	SW to NE	N/K	14-Oct, 18:49
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	14-Oct, 18:49
	2-4km SE	Recorded	1	Projectile	SW to NE	N/K	14-Oct, 18:59
	2-4km SE	Recorded	1	Projectile	SW to NE	N/K	14-Oct, 19:00
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 19:00
	2-4km SE	Recorded	2	Projectile	SW to NE	N/K	14-Oct, 19:02
	2-4km SE	Recorded	2	Explosion	Undetermined	N/K	14-Oct, 19:02
	2-4km SE	Recorded	5	Projectile	SW to NE	N/K	14-Oct, 19:03
	2-4km SE	Recorded	5	Projectile	N to S	N/K	14-Oct, 19:03
	2-4km SE	Recorded	7	Explosion	Undetermined	N/K	14-Oct, 19:03
	2-4km ESE	Recorded	2	Projectile	SW to NE	N/K	14-Oct, 19:04
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 19:04
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 19:05
	2-4km SE	Recorded	4	Projectile	SW to NE	N/K	14-Oct, 19:06
	2-4km SE	Recorded	7	Projectile	SW to NE	N/K	14-Oct, 19:07
	2-4km SE	Recorded	5	Projectile	SW to NE	N/K	14-Oct, 19:10
	2-4km E	Recorded	1	Projectile	NE to SW	N/K	14-Oct, 19:10
	2-4km SE	Recorded	1	Muzzle flash		N/K	14-Oct, 19:10
	2-4km ESE	Recorded	1	Projectile	SW to NE	N/K	14-Oct, 22:22
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 22:23
	2-4km ESE	Recorded	2	Projectile	SW to NE	N/K	14-Oct, 22:25
	2-4km ESE	Recorded	3	Projectile	SW to NE	N/K	14-Oct, 22:26
	2-4km ESE	Recorded	3	Projectile	SW to NE	N/K	14-Oct, 23:05
	2-4km ESE	Recorded	2	Projectile	SW to NE	N/K	15-Oct, 01:47
2-4km ESE	Recorded	3	Projectile	SW to NE	N/K	15-Oct, 01:48	
2-4km SSE	Recorded	2	Projectile	SW to NE	N/K	15-Oct, 01:54	
2-4km ESE	Recorded	3	Projectile	SW to NE	N/K	15-Oct, 02:24	
SMM camera in Chermalyk (government-	2-4km SSE	Recorded	2	Projectile	WSW to ENE	N/K	14-Oct, 19:14

<sup>9</sup> 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.

controlled, 77km S of Donetsk)	2-4km SSE	Recorded	3	Projectile	ENE to WSW	N/K	14-Oct, 22:12
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	2-4km ENE	Recorded	1	Projectile	In vertical flight	N/K	14-Oct, 19:55
	2-4km ESE	Recorded	5	Projectile	N to S	N/K	14-Oct, 20:34
	2-4km ESE	Recorded	10	Projectile	N to S	N/K	14-Oct, 20:43
SMM camera E of Lomakyne (government-controlled, 90km S of Donetsk)	2-5km NE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 19:18
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1-3km ENE	Recorded	6	Projectile	NNW to SSE	N/K	14-Oct, 23:09
	1-3km ENE	Recorded	5	Projectile	N to S	N/K	14-Oct, 23:11
	1-3km ENE	Recorded	3	Projectile	N to S	N/K	14-Oct, 23:12
	1-3km ENE	Recorded	12	Projectile	N to S	N/K	14-Oct, 23:13
	1-3km ENE	Recorded	2	Projectile	N to S	N/K	14-Oct, 23:14
	2-4km ENE	Recorded	1	Illumination flare	In vertical flight	N/K	14-Oct, 23:57
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	2-6km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 18:53
SMM camera at entry-exit checkpoint in Pyshevyk (government-controlled, 84km S of Donetsk)	3-5km S	Recorded	8	Projectile	W to E	N/K	14-Oct, 18:46
	3-5km S	Recorded	3	Projectile	W to E	N/K	14-Oct, 18:47
	3-5km S	Recorded	4	Projectile	W to E	N/K	14-Oct, 18:57
	3-5km S	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 18:59
	3-5km S	Recorded	1	Projectile	E to W	N/K	14-Oct, 19:11
	3-5km S	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 19:18
	3-5km S	Recorded	1	Projectile	E to W	N/K	14-Oct, 19:18
	3-5km S	Recorded	1	Explosion	Airburst	N/K	14-Oct, 20:29
	3-5km SSE	Recorded	7	Projectile	WSW to ENE	N/K	14-Oct, 20:34
	3-5km SSE	Recorded	25	Projectile	W to E	N/K	14-Oct, 20:34
	3-5km SSE	Recorded	26	Projectile	W to E	N/K	14-Oct, 20:43
	3-5km SSE	Recorded	6	Projectile	E to W	N/K	14-Oct, 20:43
	3-5km SSE	Recorded	21	Projectile	E to W	N/K	14-Oct, 20:45
	3-5km SSE	Recorded	2	Projectile	E to W	N/K	14-Oct, 20:49
	3-5km SSE	Recorded	7	Projectile	E to W	N/K	14-Oct, 20:56
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	2-5km N	Recorded	6	Projectile	W to E	N/K	14-Oct, 18:43
	2-5km N	Recorded	1	Burst	W to E	N/K	14-Oct, 18:44
	2-5km N	Recorded	1	Projectile	W to E	N/K	14-Oct, 18:47
	2-5km N	Recorded	1	Projectile	E to W	N/K	14-Oct, 18:48
	2-5km N	Recorded	2	Projectile	WNW to ESE	N/K	14-Oct, 18:50
	3-5km N	Recorded	6	Projectile	W to E	N/K	14-Oct, 18:58
	2-5km N	Recorded	1	Projectile	W to E	N/K	14-Oct, 19:07
	2-5km N	Recorded	3	Explosion	Undetermined	N/K	14-Oct, 19:07
	2-5km N	Recorded	3	Projectile	E to W	N/K	14-Oct, 19:11
	2-5km N	Recorded	2	Explosion	Undetermined	N/K	14-Oct, 19:10
2-5km N	Recorded	1	Projectile	W to E	N/K	14-Oct, 19:12	

	2-5km N	Recorded	3	Projectile	E to W	N/K	14-Oct, 19:12
	2-5km NE	Recorded	1	Projectile	W to E	N/K	14-Oct, 19:13
	2-5km N	Recorded	4	Projectile	W to E	N/K	14-Oct, 19:29
	2-5km N	Recorded	4	Projectile	E to W	N/K	14-Oct, 19:40
	2-5km N	Recorded	1	Projectile	E to W	N/K	14-Oct, 19:46
	2-5km N	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 19:46
	2-5km N	Recorded	1	Projectile	In vertical flight	N/K	14-Oct, 19:55
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 21:10
	2-4km NNE	Recorded	9	Projectile	WSW to ENE	N/K	14-Oct, 22:34
	2-4km NNE	Recorded	1	Projectile	WSW to ENE	N/K	14-Oct, 22:46
	2-4km NNE	Recorded	2	Projectile	WSW to ENE	N/K	14-Oct, 23:00
	2-4km NNE	Recorded	3	Projectile	WSW to ENE	N/K	14-Oct, 23:01
	2-4km NNE	Recorded	1	Projectile	In vertical flight	N/K	14-Oct, 23:02
	2-4km NNE	Recorded	2	Projectile	WNW to ESE	N/K	14-Oct, 23:02
	2-4km N	Recorded	1	Projectile	ESE to WNW	N/K	14-Oct, 23:44
	2-4km N	Recorded	2	Projectile	ESE to WNW	N/K	14-Oct, 23:48
	2-4km N	Recorded	1	Projectile	In vertical flight	N/K	15-Oct, 00:28
	2-4km N	Recorded	1	Projectile	ESE to WNW		15-Oct, 00:28
	2-4km N	Recorded	1	Projectile	In vertical flight	N/K	15-Oct, 01:08
	2-4km N	Recorded	11	Projectile	WNW to ESE	N/K	15-Oct, 01:20
	2-4km N	Recorded	13	Projectile	WNW to ESE	N/K	15-Oct, 01:30
	2-4km N	Recorded	12	Projectile	WNW to ESE	N/K	15-Oct, 02:06
	2-4km N	Recorded	3	Projectile	WNW to ESE	N/K	15-Oct, 02:06
	2-4km N	Recorded	1	Muzzle flash		N/K	15-Oct, 02:06
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-6km E	Recorded	1	Muzzle flash		N/K	14-Oct, 21:11
	3-6km E	Recorded	1	Projectile	N to S	N/K	14-Oct, 21:11
	3-6km E	Recorded	1	Muzzle flash		N/K	14-Oct, 21:12
	3-6km E	Recorded	1	Projectile	N to S	N/K	14-Oct, 21:12
	3-6km ESE	Recorded	1	Muzzle flash		N/K	14-Oct, 21:30
	3-6km ESE	Recorded	1	Projectile	N to S	N/K	14-Oct, 21:30
	3-6km ESE	Recorded	1	Projectile	N to S	N/K	14-Oct, 21:30
	3-6km E	Recorded	1	Muzzle flash		N/K	14-Oct, 21:44
	3-6km E	Recorded	1	Projectile	N to S	N/K	14-Oct, 21:44
	3-6km ESE	Recorded	1	Muzzle flash		N/K	14-Oct, 21:45
	3-6km ESE	Recorded	1	Projectile	N to S	N/K	14-Oct, 21:45
	3-6km ESE	Recorded	1	Projectile	N to S	N/K	14-Oct, 21:47
	About 1km N of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	1-2km N	Heard	40	Burst		HMG
About 1km NW of the railway station in Yasynuvata (non-	3-4km W	Heard	3	Shot		Small arms	15-Oct, 09:45
	3-4km W	Heard	4	Shot		Small arms	15-Oct, 09:50
	3-4km NW	Heard	1	Explosion	Undetermined	N/K	15-Oct, 10:03

government-controlled, 16km NE of Donetsk)	3-4km NW	Heard	1	Burst		HMG	15-Oct, 10:03
	2-4km SW	Heard	5	Explosion	Undetermined	N/K	15-Oct, 12:25-12:33
	2-3km NW	Heard	9	Shot		Small arms	15-Oct, 12:48
Petrivske (non-government-controlled, 41km S of Donetsk)	1-2km W	Heard	1	Explosion	Undetermined (assessed as inside the disengagement area)	N/K	15-Oct, 09:53-09:59
	1-2km W	Heard	4	Burst	Assessed as inside the disengagement area	Small arms	15-Oct, 09:53-09:59
	1-2km SW	Heard	1	Explosion	Assessed as inside the disengagement area	N/K	15-Oct, 10:00
About 2km N of Petrivske (non-government-controlled, 41km S of Donetsk)	3-4km W	Heard	2	Burst	Assessed as outside the disengagement area	Small arms	15-Oct, 10:05-10:30
	3-4km W	Heard	10	Burst	Assessed as outside the disengagement area	HMG	15-Oct, 10:05-10:30
	3-4km W	Heard	1	Explosion	Assessed as outside the disengagement area	N/K	15-Oct, 10:05-10:30
	1-2km SSW	Heard	1	Burst	Assessed as outside the disengagement area	Small arms	15-Oct, 10:31
	4-5km NW	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	15-Oct, 12:38-12:45
	1.5km NNW	Heard	21	Shot	Assessed as outside the disengagement area	Small arms	15-Oct, 13:47
Krasnohorivka (government-controlled, 21km W of Donetsk)	3-5km N	Heard	49	Explosion	Undetermined	N/K	15-Oct, 11:18-11:35
	3-5km N	Heard	21	Explosion	Undetermined	N/K	15-Oct, 11:37-11:42
	3-5km N	Heard	1	Explosion	Undetermined	N/K	15-Oct, 11:48
SE edge of Avdiivka (government-controlled, 17km N of Donetsk)	3-5km SW	Heard	14	Shot	Undetermined	Anti-aircraft gun (ZU-23, 23mm)	15-Oct, 11:25-11:30
	4-6km SSW	Heard	6	Explosion	Undetermined	N/K	15-Oct, 11:52-11:54

2.5km S of Sofiiivka (formerly Karlo-Marksove, non-government-controlled, 40km NE of Donetsk)	2-3km WNW	Heard	Uncountable	Burst	Assessed as training activity	Small arms	15-Oct, 13:30-13:40
	2-3km WNW	Heard	42	Explosion	Assessed as training activity	N/K	15-Oct, 13:30-14:30
2km NE of Bohdaniivka (government-controlled, 41km SW of Donetsk)	2-3km WNW	Heard	3	Explosion	Assessed as outside the disengagement area	N/K	15-Oct, 09:55
	1-2km NNW	Heard	13	Burst	Assessed as outside the disengagement area	Small arms	15-Oct, 09:53-09:57
	3-5km ESE	Heard	1	Explosion	Unable to assess whether inside or outside the disengagement area	N/K	15-Oct, 10:01
	3-5km WNW	Heard	1	Explosion	Assessed as outside the disengagement area	N/K	15-Oct, 10:05
	3-5km WNW	Heard	4	Explosion	Assessed as outside the disengagement area	N/K	15-Oct, 10:17
	2-3km NW	Heard	1	Burst	Assessed as outside the disengagement area	HMG	15-Oct, 10:26
2km NE of Chernenko (government-controlled, 86km S of Donetsk)	3-4km ESE	Heard	3	Shot		Small arms	15-Oct, 11:16
About 3km WNW of Vodiane (government-controlled, 94km S of Donetsk)	3-4km ESE	Heard	2	Explosion	Undetermined	N/K	15-Oct, 12:34
Chermalyk (government-controlled, 31km NE of Mariupol)	N/K S	Heard	1	Explosion	Undetermined	N/K	15-Oct, 12:35
2km SE of Lebedynske (government-controlled, 16km NE of Mariupol)	3-4km NNE	Heard	1	Shot		Small arms	15-Oct, 13:44
Svitlodarsk (government-controlled, 57km NE of	2-3km SE	Heard	4	Burst		Small arms	14-Oct, 19:08
	4-5km SSE	Heard	5	Explosion	Undetermined	N/K	14-Oct, 20:25-20:27

Donetsk)	4-5km SSE	Heard	4	Explosion	Undetermined	N/K	14-Oct, 20:32-20:34
	4-5km SSE	Heard	5	Explosion	Undetermined	N/K	14-Oct, 20:38-20:40
	3-4km SSE	Heard	2	Burst		HMG	14-Oct, 21:52
	4-5km SSE	Heard	3	Explosion	Undetermined	N/K	14-Oct, 22:35
	4-5km SSE	Heard	2	Burst		HMG	14-Oct, 22:40
	3-5km SSE	Heard	5	Explosion	Undetermined	N/K	15-Oct, 09:42
Horlivka (non-government-controlled, 39km NE of Donetsk)	4-5km W	Heard	2	Explosion	Undetermined	N/K	14-Oct, 20:42
	3-4km WSW	Heard	1	Explosion	Undetermined	N/K	14-Oct, 22:01
	3-4km W	Heard	3	Burst		HMG	14-Oct, 23:45
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	5-6km SSW	Heard	10	Explosion	Undetermined	N/K	15-Oct, 11:30
	5-6km SSW	Heard	5	Burst		HMG	15-Oct, 11:36
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	3-5km ENE	Recorded	1	Explosion	Assessed as outside the disengagement area	N/K	14-Oct, 18:28
	2-4km E	Recorded	1	Projectile	NW to SE (assessed as outside the disengagement area)	N/K	14-Oct, 22:44
3km N of Pervomaisk (non-government-controlled, 58km W of Luhansk)	3-5km NE	Heard	25	Burst	Assessed as outside the disengagement area	HMG	15-Oct, 08:43-08:54

## Map of Donetsk and Luhansk regions<sup>10</sup>



<sup>10</sup> 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).