

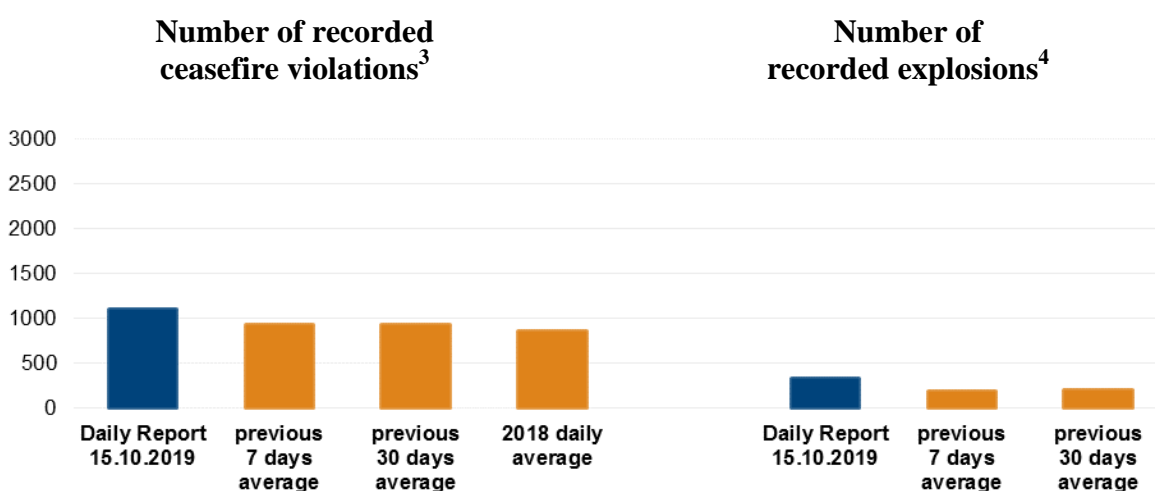
# Daily Report 244/2019

15 October 2019<sup>1</sup>

## Summary

- Compared with the previous 24 hours, the SMM recorded more ceasefire violations in both Donetsk and Luhansk regions.
- Civilians, including children, injured from hand grenades and landmines in non-government-controlled areas of Donetsk and Luhansk regions.
- Small-arms fire was assessed as directed at SMM mini-unmanned aerial vehicles near government-controlled Novotroitske and Berezove.
- Inside the Stanytsia Luhanska disengagement area, the SMM continued observing clearing of vegetation by members of the armed formations.
- Inside the disengagement areas near Zolote and Petrivske, the SMM continued seeing military and military-type presence and hardware.
- 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 Bezimenne, Zaichenko, Novoazovsk, and at a border crossing point near non-government-controlled Izvaryne.\*

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



## Map of recorded ceasefire violations

<sup>1</sup> Based on information from the Monitoring Teams as of 19:30, 14 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.

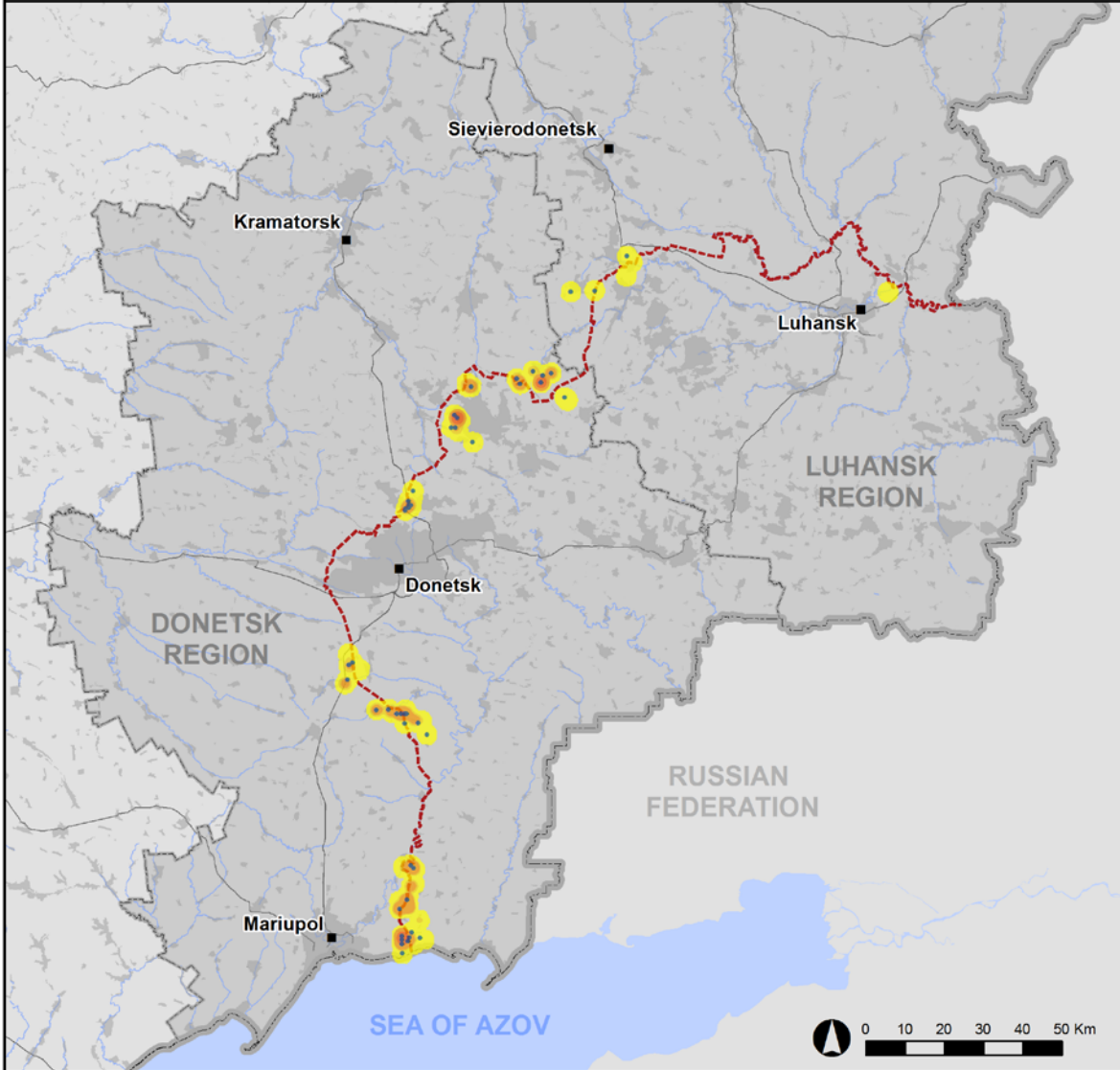
<sup>3</sup> Including explosions.

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

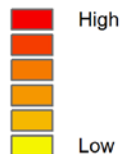


Organization for Security and  
Co-operation in Europe  
Special Monitoring Mission to Ukraine

## Ceasefire violations observed by the SMM 14 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: 15/10/2019

In Donetsk region, the SMM recorded more ceasefire violations, including more explosions (about 325), compared with the [previous 24 hours](#) (76 explosions). The majority of ceasefire violations were recorded in northerly directions of Shyrokyne (government-controlled, 100km south of Donetsk), in areas west, north-west and south-south-east of Horlivka (non-government-controlled, 39km north-east of Donetsk) and in areas south-east, south-west and west-south-west of Svitlodarsk (government-controlled, 57km north-east of Donetsk), where the majority of explosions were recorded.

In Luhansk region, the Mission recorded more ceasefire violations, including more explosions (six), compared with the [previous 24 hours](#) (one explosion). The majority of ceasefire violations, including most of explosions, were recorded at southerly directions of Popasna (government-controlled, 69km west of Luhansk).

### **Civilians, including children, injured from hand grenades and landmines in non-government-controlled areas of Donetsk and Luhansk regions**

The SMM followed up on reports of a boy injured from the explosion of a hand grenade in Sontseve (non-government-controlled, 55km south-east of Donetsk) on 12 October. On 14 October, at Donetsk Regional Clinical Trauma Hospital, medical staff told the SMM that a nine-year-old boy had been admitted on 12 October with an injury to his left hand caused by a detonation, as result of which he had to have four fingers amputated. At the same hospital, the mother (in her forties) of the boy told the Mission that her son had been injured on 12 October in Sontseve, when an object he picked up on the side of the road exploded in his hand.

The Mission followed up on reports of two women and a man injured at a cemetery in Donetsk city (non-government-controlled) on 12 October. On 13 October at the Hospital No.9 in Donetsk city, the SMM saw a woman (in her fifties) lying on her side, her right arm suspended by a metal rail and an iodine-soaked bandage around her right wrist. She told the Mission that on 12 October she had been at the Novodivychy cemetery with her son (in his twenties) helping a friend (a woman in her fifties) clean a grave of a relative when she touched a green hand grenade which subsequently detonated. The woman told the Mission that her son had also sustained injuries in the explosion. Medical staff at the hospital told the SMM that two women (in their fifties) and a man (in his twenties) had been admitted to the hospital on 12 October with multiple shrapnel injuries caused by the detonation of a device, and that one of the women had been later transferred to the Regional Clinical Kalinina Hospital in Donetsk city (at this hospital, medical staff refused to provide information, citing lack of request to those in control\*). On 14 October, the second woman told the Mission over the phone that she had sustained injuries from an explosion which occurred when she and her friend with her son were cleaning their relatives' grave at the Novodivychy cemetery.

On 13 October, the SMM followed up on reports of a 33-year-old man injured by a landmine in Krasny Yar (non-government-controlled, 12km north-east of Luhansk). On 13 October in a residential area of Krasny Yar, about 200m west of the Siverskyi Donets riverbank, the Mission saw a man in civilian clothing on a stretcher, carried by members of the armed formations from a field to an ambulance. It saw that the man had severe injuries to his right leg. On 14 October at a hospital in Luhansk city, medical staff told the SMM that a man from Krasny Yar had been admitted on 13 October with injuries from a mine explosion, as the result of which part of his right leg had to be amputated.

The SMM also followed up on reports of five children (three boys and two girls) injured from a hand grenade on 28 September in Chornohorivka (formerly Krasna Zoria, non-government-controlled, 51km south-west of Luhansk). On 7 October, medical staff at a children's hospital

in Luhansk told the Mission that five children from Chornohorivka had been admitted on 28 September with injuries. On 30 September in Chornohorivka, a woman (in her sixties) told the Mission that on 28 September she had seen five children (three boys and two girls) injured. On the same day, in Chornohorivka the SMM saw a small fresh crater covered with leaves, on the right side of road. On 14 October, the father (in his thirties) of the girls told the Mission that on 28 September he had seen three boys throw an object on the ground which exploded near the road. At the time, his daughters had been standing in front of their house, about 8m from the boys, and suffered shrapnel injuries.

#### **Small-arms fire assessed as directed at SMM mini unmanned aerial vehicles (UAV) near Novotroitske and Berezove**

While conducting a mini-UAV flight on the southern edge of Novotroitske (government-controlled, 36km south-west of Donetsk), the Mission heard 15-20 shots of small-arms fire, about 100-200m north-north-east, assessed as aimed at the UAV, which was flying about 800m north-north-east of the SMM's location.

While conducting another mini-UAV flight about 1km north-east of Berezove (government-controlled, 31km south-west of Donetsk), the Mission heard a burst and five shots of small-arms fire about 1km east, assessed as aimed at the UAV, which was flying about 1.2km east of the SMM's location.

On both occasions, the SMM safely landed the UAV and left the area.\*

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

On 14 October, inside the **disengagement area near Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk), the SMM saw three members of the armed formations starting a small fire to burn garbage and vegetation on the southern edge of the broken section of the Stanytsia Luhanska bridge. The Mission also observed members of the armed formations (wearing "JCCC" armbands) on the southern edge of the broken section of the bridge and the checkpoint of the armed formations.

On the evening of 13 October, the SMM camera in Stanytsia Luhanska recorded an illumination flare at an assessed range of 3-5km south-west, assessed as outside the disengagement area but within its 5km periphery.

On the night of 13-14 October, the SMM camera in **Zolote** (government-controlled, 60km west of Luhansk) recorded an illumination flare at an assessed range of 4-6km south-east (unable to assess whether inside or outside the disengagement area). It also recorded two projectiles and an undetermined explosion, all at an assessed range of 3-6km at easterly directions, all assessed as outside the disengagement area but within its 5km periphery.

On 13 October, inside the disengagement area near Zolote, an SMM long-range UAV [again](#) spotted a defensive position of the Ukrainian Armed Forces on road T-1316 south of the railway tracks. Outside the Zolote disengagement area, the UAV spotted an armoured reconnaissance vehicle (BRM-1K) at the checkpoint of the Ukrainian Armed Forces about 300m north of the disengagement area. About 800m further north, the UAV spotted a military

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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.

camp with an excavator, a mobile crane and two mobile workshops mounted on trucks, as well as four additional trucks.

On 14 October, inside the disengagement area, the SMM saw the completion of the installation of soil-filled Hesco-type barriers about 30m south of the northern edge of the disengagement area, on the eastern side of road T-1316 (for previous observations, see [SMM Daily Report 14 October 2019](#)).

On 13 October, inside the **disengagement area near Petrivske** (non-government-controlled, 41km south of Donetsk), an SMM long-range UAV [again](#) spotted an armoured personnel carrier (APC) (BTR-variant) and two trucks about 1.2km south of its northern edge and about 1.2km west of its eastern edge, assessed as belonging to the Ukrainian Armed Forces. About 150m further south the same UAV [again](#) spotted a heavy utility truck, and about 680m west-north-west of the aforementioned position it spotted an APC (BTR variant) in a treeline, all assessed as belonging to the Ukrainian Armed Forces. The same UAV also spotted defensive positions about 380m and 560m south of the disengagement area's northern edge and about 700m and 2km west of its eastern edge, respectively. The SMM long-range UAV also spotted a defensive position inside a treeline on the south-eastern corner of the Petrivske disengagement area, about 40m north of its southern edge and about 100m west of its eastern edge, near the most forward position of the Ukrainian Armed Forces.

Outside the disengagement area, the same UAV [again](#) spotted defensive positions of the armed formations, about 400m west of the disengagement area's north-eastern edge and about 80m of a [previously reported](#) trench, which extends for about 80m inside the disengagement area from these positions.

On 14 October, while positioned north of Petrivske, the SMM heard an undetermined explosion at an assessed range of 3-4km south-west, assessed as inside the disengagement area. The Mission also heard four bursts of small-arms fire at an assessed range of 1-2km south-west (unable to assess whether inside or outside the disengagement area), as well as 52 undetermined explosions and four bursts of small-arms fire, at an assessed range of 2-5km west and 2-6km south-east respectively; an uncountable number of bursts of small-arms fire and 34 shots and bursts of heavy-machine-gun and small-arms fire, all at an assessed range of 2-4km at westerly and 1-3km at southerly directions, all assessed as outside the disengagement area but within its 5km periphery. On the same day, while positioned near Bohdanivka (government-controlled, 41km south-west of Donetsk), the SMM heard nine undetermined explosions and 15 bursts of small-arms fire, all at an assessed range of 2-4km north-west, all assessed as outside the Petrivske disengagement area but within its 5km 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.

On 13 October, the Mission observed three weapons in violation of withdrawal lines in non-government-controlled areas of Donetsk region. It also observed 16 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 in non-government-controlled areas of Donetsk region, including armoured personnel carriers, armoured combat vehicles and infantry fighting vehicles (for more details, see the table below).

## **Works at the checkpoint of the armed formations near Horlivka**

On 13 October, within a checkpoint of the armed formations in Horlivka, the SMM saw that the ground of an area (50m long and 10m wide) where cars usually queue had been scrapped. It saw two dump trucks and two excavators next to it as well as several freshly dug ditches about 2m of the road. The Mission observed regular vehicular traffic at the checkpoint.

## **Cargo train in non-government-controlled area**

On 14 October, near the railway station in Debaltseve (non-government-controlled, 58km north-east of Donetsk), the SMM saw a train powered by a locomotive pulling 30-40 coal wagons, some carrying coal and some covered, with identifiable administrative numbers of freight companies registered in the Russian Federation. The train was heading south-west

## **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), 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) and repairs to power lines between Svitlodarsk and Luhanske (government-controlled, 59km east of Donetsk).

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

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

On 14 October, 12 people from non-government-controlled areas of Donetsk region told the SMM that they had participated in a population survey. At a population survey centre located at an education facility in Horlivka, three women and two men conducting the survey told the Mission that the people collecting data for the survey were trained and instruction booklets had been distributed to them. Outside another such facility in Horlivka, four women told the Mission that the population survey was well advertised in the media and that the residents also received SMS notifications. On the same day, in Holubivka (formerly Kirovsk, non-government-controlled, 51km west of Luhansk) and Lozivskiyi (non-government-controlled, 32km west of Luhansk), two residents (men, aged 35 and 75 ) told the SMM that those conducting the population survey had visited their residence and did not request any documents to collect data for the survey.

## **Border areas outside government control**

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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.

On 13 October, while at a border crossing point near Izvaryne (52km south-east of Luhansk), the SMM saw a covered cargo truck with Ukrainian licence plates and eight pedestrians (four men and four women) entering Ukraine. The Mission also saw a car with Russian Federation licence plates, a covered cargo truck with Ukrainian licence plates and eight pedestrians (four men and four women) exiting Ukraine. After about ten minutes, a member of the armed formations told the SMM to leave the area.\*

While at the pedestrian border crossing point near Sievernyi (50km south-east of Luhansk) for about 20 minutes, the Mission saw a man and three women entering and a man, three women and a child exiting Ukraine.

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

On 14 October in Kyiv, the SMM saw about 5,000 people (men and women, mixed ages) gathered in Shevchenko Park on the occasion of the Defender of Ukraine Day. Later, the Mission saw around 15,000 people walk to *Maidan Nezhalozhnosti*. Throughout the gathering it heard participants express messages critical of recent political developments concerning certain areas of Donetsk and Luhansk regions. The SMM later saw about 8,000 people move to 11 Bankova Street, where some of the participants left stickers on the front wall of the Presidential Office building. The participants dispersed with no incidents.

The SMM also monitored events related to the Defender of Ukraine Day in Odessa, Kharkiv, Dnipro and Ivano-Frankivsk. During a public gathering in Kharkiv, the Mission saw smoke and heard the sound of an explosion of pyrotechnics on Sumska Street that were used by the people gathered.

The Mission continued monitoring in Kherson, Lviv, and Chernivtsi.

### **\*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 Bezimenne (non-government-controlled, 100km south of Donetsk), two armed members of the armed formations denied the SMM passage citing “orders from superiors”. While at the checkpoint, the SMM did not see any vehicular traffic entering or exiting through the said checkpoint.
- At a checkpoint north of Zaichenko (non-government-controlled, 93km south of Donetsk), two armed members of the armed formations [again](#) prevented the SMM from proceeding towards Sakhanka (non-government-controlled, 97km south of Donetsk), citing “ongoing kinetic activities in the area and the safety of the patrol”.

- At a checkpoint on the northern edge of Novoazovsk (non-government-controlled, 102km south-east of Donetsk), two armed members of the armed formations [again](#) denied the SMM access south towards Novoazovsk, citing “an ongoing operation in the area”.
- At the border crossing point near Izvaryne (non-government-controlled, 52km south-east Luhansk), a member of the armed formations told the SMM to leave the area.

Delay:

- At a checkpoint on the northern edge of Petrivske (non-government-controlled, 41km south of Donetsk), a member of the armed formations allowed the SMM to proceed only after about 20 minutes of waiting.

*Regular restrictions related to disengagement areas and mines/UXO:*

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

Other impediments:

- On the night of 12 and 13 October, an SMM long-range UAV lost its GPS signal due to signal interference, assessed as caused by probable jamming, while flying between Kostiantynivka (government-controlled, 60km north of Donetsk) and Donetsk city’s Petrovskiyi district (non-government controlled, 15km south-west of Donetsk city centre). The same UAV also experienced dual GPS signal interference, assessed as caused by jamming, while flying over the Petrivske disengagement area.
- On the night of 13 and 14 October, an SMM long-range UAV lost its GPS signal due to signal interference, assessed as caused by probable jamming, while flying over the contact line, in both government- and non-government-controlled areas of central Donetsk region. The same UAV also experienced dual GPS signal interference, assessed as caused by jamming, while flying over non-government-controlled areas of both central Donetsk and Luhansk regions.
- On 14 October, on two separate occasions, SMM mini-UAVs lost GPS signal due to signal interference, assessed as caused by probable jamming while flying in the vicinity of Kostiantynivka (government-controlled, 60km north of Donetsk and Chermalyk (government-controlled, 77km south of Donetsk).
- While conducting a mini-UAV flight over areas near Novotroitske (government-controlled, 36km south-west of Donetsk), the SMM heard shots of small-arms fire about 800m north-north-east, assessed as aimed at the UAV, which it landed safely.
- While conducting a mini-UAV flight over areas near Berezove (government-controlled, 31km south-west of Donetsk), the SMM heard shots and bursts of small-arms fire about 1.2km east, assessed as aimed at the UAV, which it landed safely.
- On 14 October, at the Regional Clinical Kalinina Hospital in Donetsk city, a senior medical staff refused to provide the Mission with information about a civilian casualty and told the SMM that they were instructed not to talk with the Mission without a prior request to those in control.



## Table of weapons

### Weapons in violation of the withdrawal lines

Date	No. of weapons	Type of weapons	Location	Source of observation
<b>Non-government-controlled areas</b>				
13/10/2019	3	Self-propelled howitzer (2S1 <i>Gvozдика</i> , 122mm)	Near Sarabash (formerly Komunarivka, 26km south of Donetsk)	Long-range UAV

### 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>				
13/10/2019	16	Tank (T-72)	Railway station in Kostiantynivka (60km north of Donetsk)	Long-range UAV

### **Table of military presence in the security zone<sup>7</sup>**

Date	No. of weapons	Type of weapons	Location	Source of observation
<b>Government-controlled areas</b>				
12/10/2019	3	Infantry fighting vehicle (IFV) (two BMP-1 and a BMP-2)	Eastern outskirts of Novhorodske (35km north of Donetsk)	Long-range UAV
12/10/2019	1	Probable infantry fighting vehicle (BMP variant)	Southern outskirts of Luhanske (59km north-east of Donetsk)	Mini-UAV
12/10/2019	2	Probable armoured combat vehicle		
13/10/2019	9	Armoured combat vehicle	Near Opytne (63km north-east of Donetsk)	Long-range UAV
13/10/2019	33	Armoured combat vehicle	Bila Hora (54km north of Donetsk)	Long-range UAV
13/10/2019	1	Combat engineering vehicle (BAT-2)	Zolote (60km west of Luhansk)	Long-range UAV
13/10/2019	1	Trench digger (PZM-2)		
14/10/2019	1	Infantry fighting vehicle (BMP-2)	Stationary in Popasna (69km west of Luhansk), on the occasion of marking the Defender's Day	Patrol
	1	Armoured personnel carrier (BTR-80)		
<b>Non-government-controlled areas</b>				
12/10/2019	1	Probable armoured combat vehicle	Near Kalmiuske (formerly Komsomolske, 42km south-east of Donetsk)	Long-range UAV

<sup>7</sup> 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 15 October 2019<sup>8</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time	
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	13-Oct, 22:09	
	2-4km SSE	Recorded	6	Explosion	Undetermined	N/K	13-Oct, 22:10	
	2-4km SSE	Recorded	2	Explosion	Undetermined	N/K	13-Oct, 22:11	
	2-4km SSE	Recorded	2	Explosion	Undetermined	N/K	13-Oct, 23:12	
	3-5km SSE	Recorded	2	Projectile	SW to NE	N/K	14-Oct, 04:16	
	3-5km SSE	Recorded	4	Muzzle flash		N/K	14-Oct, 04:16	
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 04:53	
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	3-5km SE	Recorded	1	Projectile	ENE to WSW	N/K	13-Oct, 20:30	
	2-3km SE	Recorded	1	Explosion	Undetermined	N/K	13-Oct, 20:38	
	2-3km S	Recorded	4	Projectile	WNW to ESE	N/K	13-Oct, 20:44	
	3-5km SE	Recorded	1	Projectile	ENE to WSW	N/K	13-Oct, 21:31	
	2-3km S	Recorded	2	Projectile	WNW to ESE	N/K	13-Oct, 21:36	
	2-3km SE	Recorded	6	Projectile	In vertical flight	N/K	13-Oct, 21:41	
	1-3km S	Recorded	1	Projectile	WNW to ESE	N/K	13-Oct, 22:16	
	1-3km S	Recorded	1	Projectile	WNW to ESE	N/K	13-Oct, 22:17	
	1-3km S	Recorded	1	Projectile	WNW to ESE	N/K	13-Oct, 22:39	
	1-3km SSE	Recorded	1	Projectile	WSW to ENE	N/K	13-Oct, 22:43	
	1-3km S	Recorded	1	Burst	WNW to ESE (approximately 30 rounds)	N/K	13-Oct, 22:44	
	6-8km SSE	Recorded	1	Projectile	WSW to ENE	N/K	13-Oct, 23:01	
	3-4km SE	Recorded	1	Explosion	Undetermined		13-Oct, 23:01	
	6-8km SSE	Recorded	1	Projectile	WSW to ENE	N/K	13-Oct, 23:04	
	6-8km SSE	Recorded	1	Projectile	WSW to ENE	N/K	13-Oct, 23:05	
	2-4km SE	Recorded	12	Projectile	NNE to SSW	N/K	13-Oct, 23:26	
	2-4km SE	Recorded	8	Projectile	NNE to SSW	N/K	13-Oct, 23:27	
	2-4km SE	Recorded	15	Projectile	NNE to SSW	N/K	13-Oct, 23:47	
	3-5km SE	Recorded	1	Projectile	ENE to WSW	N/K	14-Oct, 02:32	
	2-4km SE	Recorded	1	Projectile	NNE to SSW	N/K	14-Oct, 04:01	
	2-4km SE	Recorded	1	Projectile	NNE to SSW	N/K	14-Oct, 04:02	
	3-5km SE	Recorded	1	Projectile	WSW to ENE	N/K	14-Oct, 05:11	
	3-5km SE	Recorded	1	Projectile	NNE to SSW	N/K	14-Oct, 05:11	
	3-5km SE	Recorded	5	Projectile	WSW to ENE	N/K	14-Oct, 05:12	
	3-5km SE	Recorded	4	Projectile	WSW to ENE	N/K	14-Oct, 05:37	
	SMM camera at Donetsk Filtration Station (15km N of Donetsk)	300-500m SSW	Recorded	1	Projectile	W to E	N/K	13-Oct, 20:11
		300-500m SSW	Recorded	3	Projectile	W to E	N/K	13-Oct, 20:15
1-2km SSE		Recorded	1	Illumination flare	In vertical flight	N/K	13-Oct, 20:31	
2-3km SSW		Recorded	1	Explosion	Undetermined	N/K	13-Oct, 21:16	
0.9-1.2km SSE		Recorded	1	Explosion	Impact	N/K	13-Oct, 21:16	
2-3km SSW		Recorded	1	Explosion	Undetermined	N/K	13-Oct, 21:17	
0.9-1.2km SSE		Recorded	1	Explosion	Impact	N/K	13-Oct, 21:17	
0.9-1.2km S		Recorded	8	Explosion	Impact	N/K	13-Oct, 21:18	
100-300m W		Recorded	1	Explosion	Undetermined	N/K	13-Oct, 22:09	
0.9-1.2km S	Recorded	11	Explosion	Impact	N/K	13-Oct, 22:40		
SMM camera 1.5km NE of Hnutove (government-controlled,	3-5km ESE	Recorded	2	Projectile	S to N	N/K	13-Oct, 22:42	
	3-5km ESE	Recorded	2	Explosion	Undetermined	N/K	13-Oct, 22:42	
	3-5km E	Recorded	1	Projectile	NE to SW	N/K	13-Oct, 22:51	
	3-5km ESE	Recorded	13	Projectile	NE to SW	N/K	13-Oct, 22:59	
	3-5km ESE	Recorded	6	Projectile	NE to SW	N/K	13-Oct, 23:00	

<sup>8</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.

90km S of Donetsk)	3-5km ESE	Recorded	7	Projectile	NE to SW	N/K	13-Oct, 23:01
	3-5km ESE	Recorded	5	Projectile	NE to SW	N/K	13-Oct, 23:02
	3-5km ESE	Recorded	4	Projectile	SSW to NNE	N/K	13-Oct, 23:04
	3-5km ESE	Recorded	1	Burst	S to N (approximately 5 rounds)	N/K	14-Oct, 02:17
	3-5km ESE	Recorded	1	Projectile	SW to NE	N/K	14-Oct, 02:18
	4-6km ENE	Recorded	1	Projectile	WSW to ENE (also recorded by the SMM camera in Chermalyk)	N/K	14-Oct, 04:02
	4-6km ENE	Recorded		Projectile	Uncountable	N/K	14-Oct, 04:02
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1-3km ENE	Recorded	9	Projectile	N to S	N/K	13-Oct, 20:07
	2-4km E	Recorded	1	Explosion	Airburst	N/K	13-Oct, 22:10
	2-4km E	Recorded	30	Explosion	Undetermined	N/K	13-Oct, 22:30
	1-3km E	Recorded	8	Projectile	NNW to SSE	N/K	13-Oct, 22:36
	1-3km E	Recorded	4	Projectile	NNW to SSE	N/K	13-Oct, 22:37
SMM camera at entry-exit checkpoint in Pyshevyk (government-controlled, 84km S of Donetsk)	3-5km S	Recorded	7	Projectile	W to E	N/K	13-Oct, 18:42
	4-8km S	Recorded	2	Projectile	NW to SE	N/K	13-Oct, 21:27
	4-8km SSE	Recorded	5	Projectile	E to W	N/K	13-Oct, 21:32
	4-8km SSE	Recorded	8	Projectile	E to W	N/K	13-Oct, 22:33
	4-8km SSE	Recorded	2	Projectile	E to W	N/K	13-Oct, 22:34
	4-8km SSE	Recorded	19	Projectile	E to W	N/K	13-Oct, 22:35
	4-8km SSE	Recorded	1	Projectile	E to W	N/K	13-Oct, 22:36
	4-8km S	Recorded	5	Projectile	E to W	N/K	13-Oct, 23:22
	4-8km S	Recorded	1	Illumination flare	In vertical flight	N/K	14-Oct, 02:53
	4-8km S	Recorded	1	Burst	W to E (approximately 10 rounds)	N/K	14-Oct, 03:20
	4-8km S	Recorded	2	Projectile	ESE to WNW	N/K	14-Oct, 03:20
	4-8km S	Recorded	8	Projectile	W to E (also recorded by the SMM camera in Hnutove)	N/K	14-Oct, 03:33
	4-8km S	Recorded	10	Projectile	W to E (also recorded by the SMM camera in Hnutove)	N/K	14-Oct, 03:34
	4-8km SSE	Recorded	2	Projectile	ENE to WSW	N/K	14-Oct, 03:34
	4-8km S	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 04:18
	4-8km S	Recorded	7	Projectile	W to E	N/K	14-Oct, 04:23
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	2-5km N	Recorded	5	Projectile	W to E	N/K	12-Oct, 19:49
	2-5km N	Recorded	1	Projectile	W to E	N/K	12-Oct, 19:51
	2-5km N	Recorded	6	Projectile	W to E	N/K	12-Oct, 19:53
	2-5km N	Recorded	5	Projectile	W to E	N/K	12-Oct, 19:54
	2-5km N	Recorded	9	Projectile	W to E	N/K	12-Oct, 19:55
	2-5km N	Recorded	7	Projectile	W to E	N/K	12-Oct, 19:56
	2-5km N	Recorded	5	Projectile	W to E	N/K	12-Oct, 19:57
	2-4km N	Recorded	7	Projectile	WSW to ENE	N/K	13-Oct, 18:42
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	13-Oct, 18:44
	2-4km N	Recorded	10	Projectile	WSW to ENE	N/K	13-Oct, 18:44
	2-4km N	Recorded	2	Explosion	Undetermined	N/K	13-Oct, 18:47
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	13-Oct, 18:54
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	13-Oct, 19:00
	3-5km N	Recorded	1	Explosion	Airburst	N/K	13-Oct, 19:07
	500-800m NNE	Recorded	1	Explosion	Airburst	N/K	13-Oct, 19:25
	400-600m NNE	Recorded	1	Muzzle flash		N/K	13-Oct, 19:33
	2-4km N	Recorded	1	Projectile	ESE to WNW	N/K	13-Oct, 19:33
	4-6km N	Recorded	2	Projectile	WSW to ENE	N/K	13-Oct, 20:02

4-6km N	Recorded	3	Projectile	WSW to ENE	N/K	13-Oct, 20:03
4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	13-Oct, 20:04
4-6km N	Recorded	2	Projectile	WSW to ENE	N/K	13-Oct, 20:05
5-8km NE	Recorded	1	Explosion	Airburst	N/K	13-Oct, 20:06
4-6km NNE	Recorded	2	Projectile	NE to SW	N/K	13-Oct, 20:06
3-5km NNE	Recorded	10	Projectile	WNW to ESE	N/K	13-Oct, 20:06
3-5km NNE	Recorded	2	Projectile	WNW to ESE	N/K	13-Oct, 20:07
4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	13-Oct, 20:16
4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	13-Oct, 20:17
3-5km N	Recorded	1	Muzzle flash		N/K	13-Oct, 20:20
3-5km N	Recorded	1	Muzzle flash		N/K	13-Oct, 20:21
4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	13-Oct, 20:22
4-6km NNE	Recorded	1	Projectile	ESE to WNW	N/K	13-Oct, 20:28
5-8km NNE	Recorded	1	Explosion	Airburst	N/K	13-Oct, 20:49
3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	13-Oct, 20:55
3-5km N	Recorded	1	Explosion	Undetermined	N/K	13-Oct, 20:55
4-6km N	Recorded	1	Projectile	ESE to WNW	N/K	13-Oct, 21:06
4-6km NNE	Recorded	1	Projectile	WNW to ESE	N/K	13-Oct, 21:07
5-8km NNE	Recorded	1	Explosion	Undetermined	N/K	13-Oct, 21:09
4-6km N	Recorded	1	Muzzle flash		N/K	13-Oct, 21:15
4-6km N	Recorded	1	Projectile	WNW to ESE	N/K	13-Oct, 21:15
4-6km N	Recorded	2	Projectile	ESE to WNW	N/K	13-Oct, 21:16
4-6km N	Recorded	1	Muzzle flash		N/K	13-Oct, 21:17
4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	13-Oct, 21:17
4-6km N	Recorded	2	Projectile	ESE to WNW	N/K	13-Oct, 21:17
4-6km N	Recorded	4	Projectile	ESE to WNW	N/K	13-Oct, 21:18
4-6km N	Recorded	1	Projectile	ESE to WNW	N/K	13-Oct, 21:26
4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	13-Oct, 21:31
4-6km N	Recorded	10	Projectile	SSW to NNE	N/K	13-Oct, 21:39
4-6km NE	Recorded	1	Muzzle flash		N/K	13-Oct, 21:47
4-6km N	Recorded	2	Projectile	ESE to WNW	N/K	13-Oct, 21:48
4-6km N	Recorded	2	Projectile	ESE to WNW	N/K	13-Oct, 21:49
4-6km N	Recorded	1	Projectile	ESE to WNW	N/K	13-Oct, 21:50
4-6km N	Recorded	2	Projectile	WNW to ESE	N/K	13-Oct, 21:54
4-6km N	Recorded	1	Projectile	WNW to ESE	N/K	13-Oct, 21:55
4-6km N	Recorded	6	Projectile	WSW to ENE	N/K	13-Oct, 21:56
3-5km NNE	Recorded	1	Muzzle flash		N/K	13-Oct, 22:02
3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	13-Oct, 22:03
3-5km NNE	Recorded	1	Projectile	WNW to ESE	N/K	13-Oct, 22:03
3-5km NNE	Recorded	2	Projectile	WNW to ESE	N/K	13-Oct, 22:07
4-6km N	Recorded	2	Projectile	WNW to ESE	N/K	13-Oct, 22:43
4-6km N	Recorded	2	Projectile	WNW to ESE	N/K	13-Oct, 22:44
4-6km N	Recorded	4	Projectile	WNW to ESE	N/K	13-Oct, 22:58
4-6km N	Recorded	1	Projectile	WNW to ESE	N/K	13-Oct, 23:04
4-6km NNE	Recorded	6	Muzzle flash		N/K	13-Oct, 23:07
4-6km N	Recorded	1	Projectile	WNW to ESE	N/K	13-Oct, 23:07
4-6km N	Recorded	1	Projectile	ESE to WNW	N/K	13-Oct, 23:23
4-6km N	Recorded	2	Projectile	WNW to ESE	N/K	13-Oct, 23:29
4-6km N	Recorded	2	Projectile	WSW to ENE	N/K	13-Oct, 23:30
4-6km N	Recorded	1	Explosion	Undetermined	N/K	13-Oct, 23:49
4-6km N	Recorded	5	Projectile	ESE to WNW	N/K	13-Oct, 23:51
4-6km N	Recorded	1	Projectile	SSE to NNW	N/K	13-Oct, 23:52
3-5km NNE	Recorded	1	Projectile	WNW to ESE	N/K	13-Oct, 23:53
4-6km NNE	Recorded	1	Projectile	WNW to ESE	N/K	13-Oct, 23:55
3-5km N	Recorded	1	Explosion	Undetermined	N/K	13-Oct, 23:55
4-6km N	Recorded	3	Projectile	SSE to NNW	N/K	13-Oct, 23:56
4-6km N	Recorded	1	Projectile	SSE to NNW	N/K	13-Oct, 23:57
3-5km NNE	Recorded	2	Muzzle flash		N/K	13-Oct, 23:57
3-5km NNE	Recorded	2	Projectile	W to E	N/K	13-Oct, 23:57
3-5km NE	Recorded	1	Muzzle flash		N/K	13-Oct, 23:57
4-6km N	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 00:04

	4-6km N	Recorded	2	Projectile	SSE to NNW	N/K	14-Oct, 00:08
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 00:09
	4-6km N	Recorded	5	Projectile	SSE to NNW	N/K	14-Oct, 00:09
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 00:12
	4-6km N	Recorded	2	Projectile	ESE to WNW	N/K	14-Oct, 01:24
	4-6km N	Recorded	3	Projectile	ESE to WNW	N/K	14-Oct, 01:25
	4-6km NNE	Recorded	1	Projectile	WNW to ESE	N/K	14-Oct, 04:01
	4-6km N	Recorded	1	Projectile	NE to SW	N/K	14-Oct, 04:01
	4-6km N	Recorded	2	Projectile	NE to SW	N/K	14-Oct, 04:03
	4-6km NNE	Recorded	1	Projectile	WNW to ESE	N/K	14-Oct, 04:29
	4-6km N	Recorded	1	Projectile	ESE to WNW	N/K	14-Oct, 04:46
	4-6km N	Recorded	1	Projectile	SSE to NNW	N/K	14-Oct, 05:29
	4-6km N	Recorded	1	Projectile	SSE to NNW	N/K	14-Oct, 05:30
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 05:30
	4-6km N	Recorded	2	Projectile	SSE to NNW	N/K	14-Oct, 05:43
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	4-6km E	Recorded	1	Projectile	N to S	N/K	14-Oct, 01:46
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	3km ESE	Heard	1	Explosion	Undetermined	N/K	14-Oct, 10:48
About 4km NW of Debaltseve (non-government-controlled, 58km NE of Donetsk)	1-2km NW	Heard and saw	1	Airburst	Undetermined	N/K	14-Oct, 13:29
	1-2km NW	Heard and saw	2	Airburst	Undetermined	N/K	14-Oct, 13:36
	2-3km NW	Heard	3	Explosion	Undetermined	N/K	14-Oct, 13:40-13:43
NW part of Dokuchaievsk (non-government-controlled 30km SW of Donetsk)	2-3km SW	Heard	1	Burst		HMG	14-Oct, 13:57
About 800m NW of Petrivske (non-government-controlled, 41km S of Donetsk)	5-6km SE	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	14-Oct, 09:34
About 1.8km N of Petrivske (non-government-controlled, 41km S of Donetsk )	3-4km W	Heard	3	Burst	Assessed as outside the disengagement area	HMG	14-Oct, 10:19
	3-4km W	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	14-Oct, 10:19
	3-4km W	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	14-Oct, 10:41
	3-4km W	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	14-Oct, 10:43-10:45
	3-4km W	Heard	5	Burst	Assessed as	HMG	14-Oct, 10:47

					outside the disengagement area		
	2km W	Heard	12	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	14-Oct, 10:51-10:55
	2km W	Heard	5	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	14-Oct, 11:02-11:04
	3-4km W	Heard	3	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	14-Oct, 11:10-11:13
	3-4km W	Heard	11	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	14-Oct, 11:16-11:22
	2-3km W	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	14-Oct, 11:23
	2-3km SE	Heard	4	Burst	Assessed as outside the disengagement area	HMG	14-Oct, 11:35-11:37
	1-2km S	Heard	2	Burst	Assessed as outside the disengagement area	HMG	14-Oct, 11:38
	1-2km S	Heard	1	Shot	Assessed as outside the disengagement area	HMG	14-Oct, 11:38
	2-3km W	Heard	4	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	14-Oct, 11:41-11:42
	1-2km S	Heard	15	Burst	Assessed as outside the disengagement area	HMG	14-Oct, 11:48-11:51
	3-4km W	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	14-Oct, 11:48-11:51
	2-3km SSE	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	14-Oct, 12:03
About 2km N of Petrivske (non-government-controlled, 41km S of Donetsk)	1-2km SW	Heard	4	Burst	Unable to assess whether inside or outside the disengagement area	Small arms	14-Oct, 13:15
	2-3km WNW	Heard	4	Burst	Assessed as outside the disengagement area	Small arms	14-Oct, 13:30

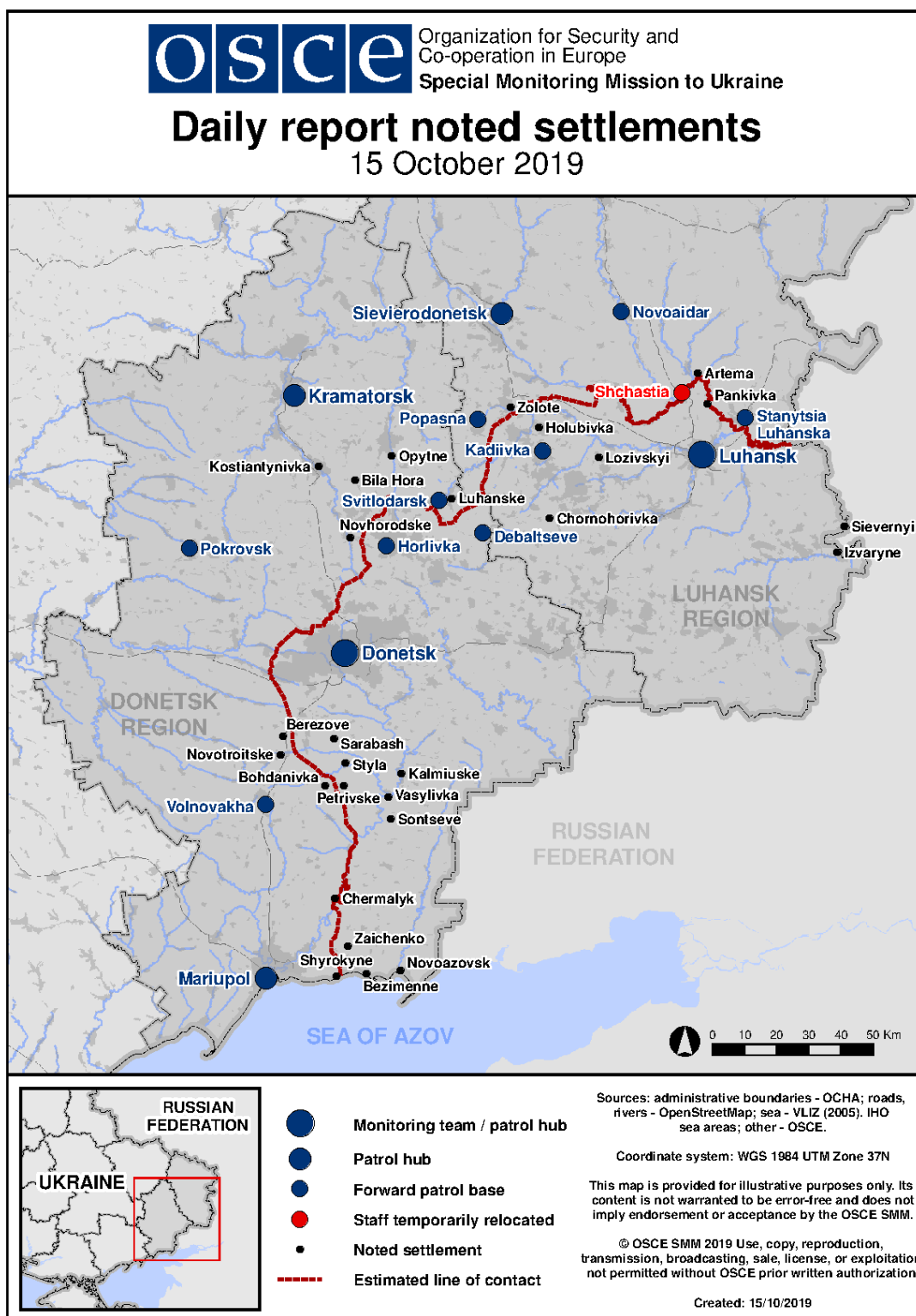
	3-4km SW	Heard	1	Explosion	Undetermined (assessed as inside the disengagement area)	N/K	14-Oct, 13:30
	3-4km W	Heard		Burst	Uncountable (assessed as outside the disengagement area)	Small arms	14-Oct, 13:30
	3-4km W	Heard	1	Explosion	Undetermined	N/K	14-Oct, 13:35
	4-5km W	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	14-Oct, 14:48
	4-5km W	Heard	1	Explosion	Undetermined	N/K	14-Oct, 15:00
	4-5km W	Heard	1	Explosion	Undetermined	N/K	14-Oct, 15:27
About 1km E of Kruta Balka (non-government-controlled, 16km N of Donetsk)	2km NW	Heard	1	Explosion	Undetermined	N/K	14-Oct, 10:48
	1-2km W	Heard	2	Shot		Small arms	14-Oct, 10:50
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	14-Oct, 11:25
	4-5km SW	Heard	13	Burst		HMG	14-Oct, 11:25
3km NW of Bezimenne (non-government-controlled, 100km S of Donetsk)	2km NW	Heard	3	Shot		Small arms	14-Oct, 11:21
About 1km N of Zaichenko (non-government-controlled, 93km S of Donetsk)	2km S	Heard	8	Shot		Small arms	14-Oct, 12:00-12:25
Berezove (government-controlled, 31km SW of Donetsk)	1km E	Heard	1	Burst	Aimed at the SMM UAV	Small arms	14-Oct, 13:57
	1km E	Heard	5	Shot	Aimed at the SMM UAV	Small arms	14-Oct, 13:57
Novotroitske (government-controlled, 36km SW of Donetsk)	100-200m NNE	Heard	20	Shot	Aimed at the SMM UAV	Small arms	14-Oct, 12:25
	0.8-1km SE	Heard and saw	2	Explosion	Impact (black smoke was spotted)	N/K	14-Oct, 12:46-12:47
2km NE of Bohdanivka (government-controlled, 41km SW of Donetsk)	5-7km WNW	Heard	25	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	14-Oct, 10:53-11:11
	2-3km NW	Heard	15	Burst	Assessed as outside the disengagement area	Small arms	14-Oct, 13:30
	3-4km NW	Heard	3	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	14-Oct, 13:36
	3-4km NW	Heard	5	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	14-Oct, 14:35-14:48
	3-4km NW	Heard	1	Explosion	Undetermined	N/K	14-Oct, 15:27

					(assessed as outside the disengagement area)		
Horlivka (non-government-controlled, 39km NE of Donetsk)	2-3km NW	Heard	4	Burst		HMG	13-Oct, 18:40-18:43
	2-3km NW	Heard	6	Burst		HMG	13-Oct, 23:02
	2-3km NW	Heard	1	Burst		HMG	13-Oct, 23:16
	2-3km W	Heard	1	Burst		Cannon 30mm	13-Oct, 23:16
	2-3km W	Heard	4	Burst		HMG	13-Oct, 23:17
	3-5km W	Heard	3	Explosion	Undetermined	N/K	13-Oct, 23:26
	3-5km SSE	Heard	2	Explosion	Undetermined	N/K	13-Oct, 23:33
	2-4km W	Heard	4	Burst		HMG	13-Oct, 23:33-23:35
	3-5km SSE	Heard	3	Explosion	Undetermined	N/K	13-Oct, 23:36
	2-4km W	Heard	1	Explosion	Undetermined	N/K	14-Oct, 00:55
	4-5km NW	Heard	5	Explosion	Undetermined	N/K	14-Oct, 14:02
	3-4km NW	Heard	43	Burst		HMG	14-Oct, 14:11-14:14
	3-4km NW	Heard	12	Shot		Cannon 30mm	14-Oct, 14:15-14:17
	3-4km NW	Heard	60	Shot		Small arms	14-Oct, 14:18-14:30
	3-4km NW	Heard	26	Burst		HMG	14-Oct, 14:32-14:35
	3-4km NW	Heard	17	Explosion	Undetermined	N/K	14-Oct, 14:37-14:45
2-3km WSW	Heard	5	Burst		HMG	14-Oct, 16:45	
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-4km SE	Heard	1	Explosion	Undetermined	N/K	13-Oct, 18:44
	3-4km SE	Heard	3	Burst		HMG	13-Oct, 19:30
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	13-Oct, 19:38
	3-4km SE	Heard	4	Burst		HMG	13-Oct, 19:39
	3-4km SE	Heard	2	Burst		HMG	13-Oct, 19:45
	3-4km SE	Heard	2	Explosion	Undetermined	N/K	13-Oct, 19:51-19:54
	3-4km SE	Heard	3	Burst		HMG	13-Oct, 19:58
	3-4km SE	Heard	3	Explosion	Undetermined	N/K	13-Oct, 20:11-20:16
	3-4km SE	Heard	3	Burst		HMG	13-Oct, 20:35
	3-4km SE	Heard	5	Burst		HMG	13-Oct, 20:55
	3-4km SE	Heard	2	Explosion	Undetermined	N/K	13-Oct, 21:07
	3-4km SE	Heard	5	Explosion	Undetermined	N/K	13-Oct, 21:20-21:22
	3-4km SE	Heard	2	Explosion	Undetermined	N/K	13-Oct, 21:48
	3-4km SE	Heard	2	Burst		HMG	13-Oct, 21:50
	3-4km SE	Heard	2	Explosion	Undetermined	N/K	13-Oct, 21:52
	3-4km SE	Heard	3	Explosion	Undetermined	N/K	13-Oct, 22:00
	3-4km SE	Heard	10	Explosion	Undetermined	N/K	13-Oct, 22:10
	3-4km SE	Heard	13	Burst		HMG	13-Oct, 22:12-22:13
	3-4km SE	Heard	4	Explosion	Undetermined	N/K	13-Oct, 22:17-22:20
	3-4km SE	Heard	3	Explosion	Undetermined	N/K	13-Oct, 22:21
	3-4km SE	Heard	8	Explosion	Undetermined	N/K	13-Oct, 22:25-22:27
	3-4km SE	Heard	15	Explosion	Undetermined	N/K	13-Oct, 22:29-22:30
	3-4km SE	Heard	3	Explosion	Undetermined	N/K	13-Oct, 22:35
	3-4km SE	Heard	3	Explosion	Undetermined	N/K	13-Oct, 22:38
	3-4km SE	Heard	5	Burst		HMG	13-Oct, 22:40
	3-4km SE	Heard	2	Explosion	Undetermined	N/K	13-Oct, 22:45
3-4km SE	Heard	1	Explosion	Undetermined	N/K	13-Oct, 22:53	
3-4km SE	Heard	3	Burst		HMG	13-Oct, 22:53	



	3-4km SE	Heard	2	Explosion	Undetermined	N/K	13-Oct, 23:15
	3-4km SE	Heard	2	Explosion	Undetermined	N/K	13-Oct, 23:32
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	13-Oct, 23:43
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	13-Oct, 23:48
	3-4km SE	Heard	5	Burst		HMG	13-Oct, 23:53
	3-4km SE	Heard	3	Burst		HMG	13-Oct, 23:55
	3-5km SW	Heard	5	Explosion	Undetermined	N/K	14-Oct, 10:26
	3-5km WSW	Heard	2	Explosion	Undetermined	N/K	14-Oct, 10:32
	3-5km WSW	Heard	5	Explosion	Undetermined	N/K	14-Oct, 10:35
	3-5km WSW	Heard	7	Explosion	Undetermined	N/K	14-Oct, 11:17
	3-5km WSW	Heard	4	Explosion	Undetermined	N/K	14-Oct, 11:48
	3-5km SW	Heard	4	Explosion	Undetermined	N/K	14-Oct, 13:29
	3-5km SW	Heard	26	Burst		HMG	14-Oct, 14:47-14:52
2km About SE of Luhanske (government-controlled, 59km E of Donetsk)	3-4km W	Heard	4	Burst		HMG	14-Oct, 10:32
	3-4km W	Heard	4	Burst		HMG	14-Oct, 10:34
	3-4km W	Heard	5	Burst		HMG	14-Oct, 10:39
	3-4km W	Heard	1	Explosion	Undetermined	N/K	14-Oct, 11:48
	1-2km SW	Heard	2	Explosion	Undetermined	N/K	14-Oct, 13:33
	1-2km SW	Heard	1	Explosion	Undetermined	N/K	14-Oct, 13:35
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	4-6km SSW	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 05:00
	4-6km SSW	Recorded	2	Projectile	WNW to ESE	N/K	14-Oct, 05:00
	4-6km SSW	Recorded	3	Explosion	Impact	N/K	14-Oct, 05:00
SMM camera in Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)	3-5km SW	Recorded	1	Illumination flare	In vertical flight (assessed as outside the disengagement area)	N/K	13-Oct, 21:10
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	4-6km E	Recorded	1	Projectile	WNW to ESE (assessed as outside the disengagement area)	N/K	13-Oct, 22:33
	4-6km E	Recorded	1	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	14-Oct, 03:01
	4-6km SE	Recorded	1	Illumination flare	In vertical flight (unable to assess whether inside or outside the disengagement area)	N/K	14-Oct, 04:53
	3-5km ENE	Recorded	1	Explosion	Assessed as outside the disengagement area	N/K	14-Oct, 18:28
N edge of Popasna (government-controlled, 69km W of Luhansk)	4-8km SE	Heard	1	Explosion	Undetermined (Assessed as outside the disengagement area)	N/K	14-Oct, 18:05

## Map of Donetsk and Luhansk regions<sup>9</sup>



<sup>9</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).