

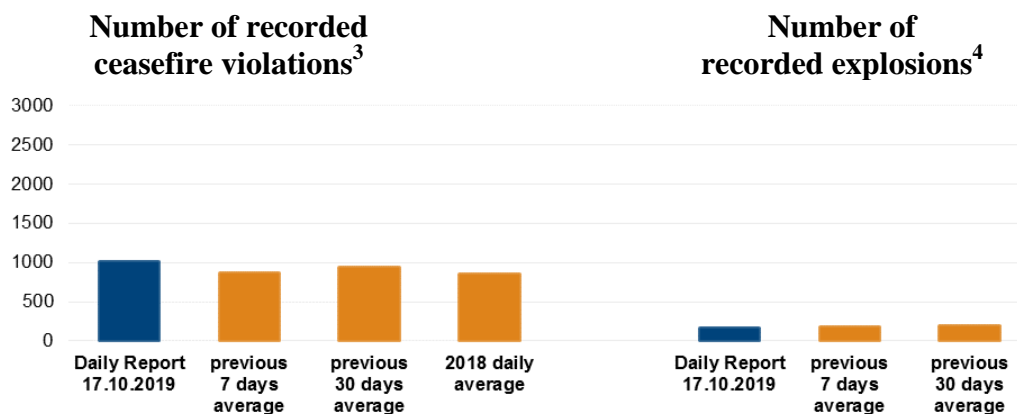
# Daily Report 246/2019

17 October 2019<sup>1</sup>

## Summary

- Compared with the previous reporting period, the SMM recorded more ceasefire violations both in Donetsk and Luhansk regions.
- The Mission saw damage to residential buildings in non-government-controlled Yasne.
- Inside the Stanytsia Luhanska disengagement area, the SMM saw workers from government-controlled areas collecting cut wood near the broken section of the bridge.
- The Mission recorded ceasefire violations inside the Petrivske disengagement area. It again saw military presence inside the disengagement areas near Petrivske and Zolote and continued observing the clearing of vegetation by the Ukrainian Armed Forces inside the latter.
- Small-arms fire was assessed as directed at an SMM mini-unmanned aerial vehicle near non-government-controlled Sentianivka (formerly Frunze).
- The Mission observed weapons in violation of withdrawal lines in non-government-controlled areas of Luhansk region.
- The Mission monitored adherence to the ceasefire to facilitate the operation of and repairs to critical civilian infrastructure along the contact line, including at the Petrivske pumping station near Artema and to water pipelines near Novoluhanske.
- Restrictions of the Mission's freedom of movement continued.\*

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



<sup>1</sup> Based on information from the Monitoring Teams as of 19:30, 16 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 the Donetsk Filtration Station and in the southern part of the Zolote disengagement area were not operational.

<sup>3</sup> Including explosions.

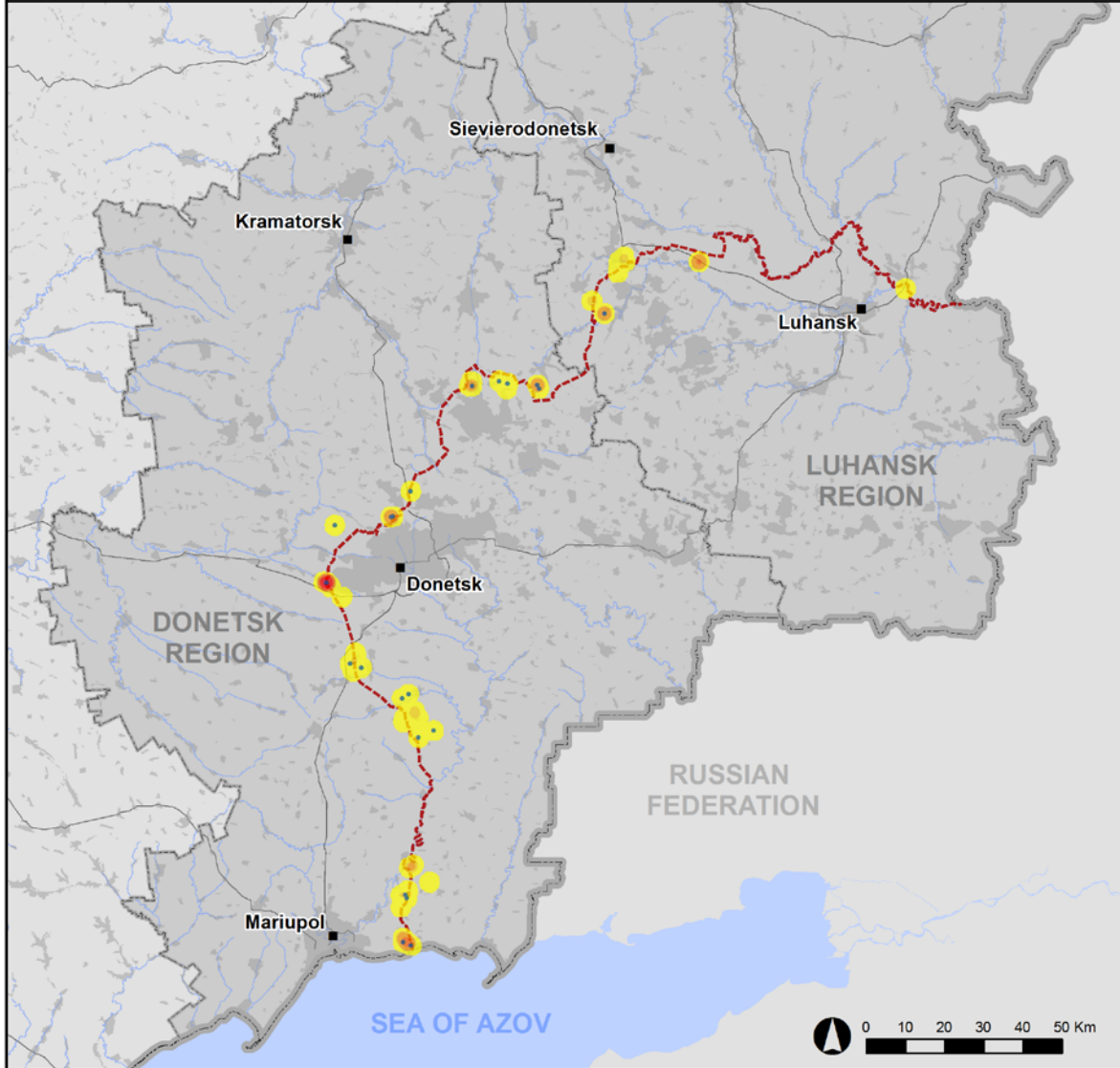
<sup>4</sup> Including from unidentified weapons.

### Map of recorded ceasefire violations

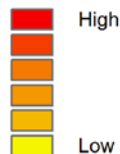


Organization for Security and  
Co-operation in Europe  
Special Monitoring Mission to Ukraine

## Ceasefire violations observed by the SMM 16 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: 17/10/2019

In Donetsk region, the SMM recorded more ceasefire violations, including, however, fewer explosions (122), compared with [the previous reporting period](#) (206 explosions). The majority of ceasefire violations were recorded at north-easterly directions of Marinka (government-controlled, 23km south-west of Donetsk), while about 90 explosions were recorded in areas north-north-west of non-government-controlled Donetsk city and south-south-east of Svitlodarsk (government-controlled, 57km north-east of Donetsk).

In Luhansk region, the Mission recorded more ceasefire violations, including more explosions (49), compared with [the previous reporting period](#) (one explosion). The majority of ceasefire violations were recorded in areas south-east of Popasna (government-controlled, 69km west of Luhansk), where also all explosions were recorded, and in areas east-north-east of Sentianivka (formerly Frunze, non-government-controlled, 44km west of Luhansk) (see below).

### **Damage to civilian properties in Yasne**

On 16 October, the SMM saw damage to two residential buildings in Yasne (non-government-controlled, 30km south-west of Donetsk), all located about 1km from the contact line.

In an apartment located on the top floor of a two-storey residential building at 29 Shchorsa Street, the SMM saw that the glass panes of two south-west-facing windows were damaged and one adjacent south-west-facing window and its frame were destroyed. The Mission also saw that parts of the bricks forming the outer layer of the wall adjacent to the destroyed window frame were missing, and radial scorch marks visible around the damage. A woman (in her nineties), who introduced herself as a resident of the building, told the SMM that she had been woken up by sounds of explosions at about 22:30 on 14 October.

At 31A Shchorsa Street, the SMM saw that the glass panes of four south-western-facing windows (one located on the ground floor and three on the first floor) of a two-storey residential building were shattered and covered with plywood and plastic panels. In the building's external wall near the damaged windows on the second floor, it saw a fresh piece of plaster and radial scorch marks around it. Two women (in their sixties), who introduced themselves as residents of the two apartments at which the windows had been damaged, told the Mission that they had heard explosions near the building at about 22:30 on 14 October.

The SMM assessed all the above-mentioned damage as fresh and caused by rounds of weapons (type undetermined) fired from a south-westerly direction.

### **Small-arms fire assessed as directed at SMM mini-unmanned aerial vehicle (UAV) near Sentianivka**

While conducting a mini-UAV flight over areas north of Sentianivka, the Mission heard 70 shots of small-arms fire at an assessed range of 2.5-3km north-east, in an area where the UAV was flying at the time. The shots were assessed as directed at the UAV, which the SMM landed safely and left the area.\* The imagery captured by the UAV revealed an armed member of the armed formations pointing a weapon at the UAV and tracking its movement.

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

On 16 October, inside **the disengagement area near Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk), the SMM observed a bulldozer, a truck and workers from government-controlled-areas collecting cut wood east of the broken section of the Stanytsia Luhanska bridge (15km north of Luhansk).

On 15 October, inside **the disengagement area near Zolote** (government-controlled, 60km west of Luhansk), an SMM mini-UAV spotted that the treeline (about 30m in width) on the western side of road T-1316 had been cleared from the area's northern edge to the railway bridge, and that part of the treeline (about 50m) on the eastern side of the road, about 400m north of the bridge, was being cleared. Nearby, the same UAV spotted two trucks and a military SUV, as well as about 25 people, assessed as Ukrainian Armed Forces personnel. (On 16 October in the same area, the SMM saw two trucks and up to 27 Ukrainian Armed Forces personnel clearing and removing vegetation on the sides of the road, up to 750m south, inside the disengagement area.)

About 40m south of the disengagement area's northern edge, the same UAV [again](#) spotted ongoing construction works of a defensive position with soil-filled Hesco-type barriers, an underground bunker and at least ten people assessed as Ukrainian Armed Forces personnel. The UAV also spotted a 15m-long trench about 15m south of the area's northern edge, in an area where the SMM previously had seen demining activities taking place (see [SMM Daily Report 8 October 2019](#)).

Outside the disengagement area, north of its northern edge, in the same area where the SMM had previously seen demining activities taking place, the same UAV spotted two trenches (about 30m and 15m, respectively; one was still being constructed by an excavator). The UAV also spotted another trench (150m in length), which replaced an older trench, about 150m south-west of the checkpoint of the Ukrainian Armed Forces 300m north of the disengagement area's northern edge.

On the evening and night of 15-16 October, the SMM camera in Zolote recorded 14 projectiles in flight at assessed ranges of 2-4km east-north-east and 1-4km east-south-east and east, all assessed as outside the disengagement area but within its 5km periphery.

On 15 October, inside **the disengagement area near Petrivske** (non-government-controlled, 41km south of Donetsk), an SMM mini-UAV spotted an armoured personnel carrier (APC) (BTR-80), an armoured reconnaissance vehicle (BRDM-2), two trucks and a jeep, as well as 23 people, assessed as Ukrainian Armed Forces personnel, all near positions of the Ukrainian Armed Forces.

Outside the disengagement area, the same UAV [again](#) spotted an active position of the armed formations surrounded by three new trenches totalling 900m in length (two not seen in imagery from 9 August 2019 and one not seen in imagery from 10 October 2019), all about 2.5km north-east of the north-eastern edge of the disengagement area.

The UAV also spotted 49 anti-tank mines (TM-62 and TM-57) on the road between Viktorivka (non-government-controlled, 42km south-west of Donetsk) and Bohdanivka

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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.

(government-controlled, 41km south-west of Donetsk), assessed as belonging to the Ukrainian Armed Forces (for previous observations, see [SMM Daily Report 16 October 2019](#)).

During the day on 16 October, positioned at two locations north and north-west of Petrivske and at one location about 2km north-east of Bohdanivka, the SMM heard two shots of small-arms fire assessed as inside the Petrivske disengagement area, as well as seven undetermined explosions (one of which it also saw) and 23 bursts and shots of heavy-machine-gun and small-arms fire, all assessed as outside the 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.

The Mission observed 29 weapons in violation of withdrawal lines in non-government-controlled areas of Luhansk region. It also observed 56 weapons beyond withdrawal lines but outside storage sites on both sides of the contact line (for more details, see the tables below).

### **Weapons that the SMM could not verify as withdrawn<sup>6</sup>**

*At three heavy weapons holding areas in government-controlled areas of Luhansk region*

16 October

The SMM noted that:

- seven tanks (T-80) and three self-propelled howitzers (2S3 *Akatsiya*, 152mm) were present; and that
- 58 tanks (52 T-64 and six T-72), 22 self-propelled howitzers (2S1 *Gvozdika*, 122mm), 11 self-propelled mortars (2S9 *Nona*, 120mm) and 23 multiple launch rocket systems (BM-21 *Grad*, 122mm) were again missing. The Mission also noted that two self-propelled howitzers (2S3) were missing for the first time.

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

16 October

The SMM noted that 12 towed howitzers (D-20, 152mm), 11 self-propelled howitzers (2S3) and six anti-tank guns (D-48, 85 mm) were again missing.

### **Weapons permanent storage sites**

*At a permanent storage site in government-controlled areas of Luhansk region*

16 October

The SMM noted that one mortar (2B11 *Sani*, 120mm) continued to be missing.

*At a permanent storage site in non-government-controlled areas of Luhansk region*

16 October

The SMM noted that one tank (T-72) and one mortar (82mm) continued to be missing.

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<sup>6</sup> The SMM observed weapons that could not be verified as withdrawn, as their storage did not comply with the criteria set out in the 16 October 2015 notification from the SMM to the signatories of the Package of Measures on effective monitoring and verification of the withdrawal of heavy weapons. The SMM noted that two of the sites remained abandoned.

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

The SMM observed APCs and infantry fighting vehicles in the security zone in government-controlled areas of Donetsk region (for more details, see the table below).

While positioned near Bohdanivka, about 1km west of the disengagement area near Petrivske, the Mission saw a UAV (quadcopter type) flying at an altitude of 20-30m with two men in military clothing operating it.

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

The SMM monitored adherence to the ceasefire to facilitate repairs to power lines servicing the Petrivske pumping station near Artema (government-controlled, 26km north of Luhansk), to water pipelines near Novoluhanske (government-controlled, 53km north-east of Donetsk) and the drilling of water wells in Raivka. The Mission also monitored adherence to the ceasefire to enable conducting a funeral ceremony at a local cemetery in Holubivske (non-government-controlled, 51km west of Luhansk).

The SMM continued to facilitate the operation of the Donetsk Filtration Station (15km north of Donetsk) and to monitor the security situation in the area of the pumping station near Vasylivka (non-government-controlled, 20km north 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, 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 [SMM Daily Report 16 October 2019](#)). The SMM's operations in Donetsk and Luhansk regions remain restricted following [the fatal incident of 23 April 2017 near Pryshyb](#); these restrictions continued to limit the Mission's observations.*

*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:

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



- While conducting a mini-UAV flight over areas north of Sentianivka (non-government-controlled, formerly Frunze, 44km west of Luhansk), the Mission heard 70 shots of small-arms fire at an assessed range of 2.5-3km north-east, in an area where the UAV was flying at the time. The SMM safely landed the UAV.

### 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>				
15/10/2019	5	Self-propelled howitzers (2S1 <i>Gvozdika</i> , 122mm)	In a training area near Buhavka (37km south-west of Luhansk)	Long-range UAV
	1	Probable anti-tank guns (MT-12 <i>Rapira</i> , 100mm)		
	6	Towed howitzers (D-30 <i>Lyagushka</i> , 122mm)		Mini-UAV
	11	Self-propelled howitzers (2S1 <i>Gvozdika</i> , 122mm)		
	6	Anti-tank guns (MT-12 <i>Rapira</i> , 100mm)		

#### 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	1	Towed howitzer (D-20, 152mm)	In a residential area of Khlিবodarivka (65km south-west of Donetsk)	Mini-UAV
16/10/2019	6	Anti-tank gun (MT-12 <i>Rapira</i> , 100mm)	Train station in Druzhkivka (72km north of Donetsk)	Patrol
	1	Self-propelled howitzer (2S3 <i>Akatsiya</i> , 152mm)		
	1	Self-propelled anti-aircraft system (2K22 <i>Tunguska</i> )		
<b>Non-government-controlled areas</b>				
15/10/2019	23	Tanks (12 T-64 and 11 T-72)	In a training area near Buhavka (37km south-west of Luhansk)	Mini-UAV
	1	Surface-to-air missile system (9K35 <i>Strela-10</i> )		
	5	Mortars (2B11 <i>Sani</i> , 120mm)		
16/10/2019	18	Tanks (T-64 and T-72)	In a training area near Myrne (28km south-west of Luhansk)	Patrol

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

<b>Date</b>	<b>No.</b>	<b>Type</b>	<b>Location</b>	<b>Source of observation</b>
<b>Government-controlled areas</b>				
16/10/2019	2	Armoured personnel carrier (BTR-70)	Near Kamianka (20km north of Donetsk)	Patrol
	2	Infantry fighting vehicle (BMP-1)		
	2	Infantry fighting vehicle (BMP-2)		
	1	Armoured command vehicle (BMP-1KSh)		

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<sup>8</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 16 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 SSE	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 19:15
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 20:52
	2-4km SE	Recorded	2	Projectile	SW to NE	N/K	16-Oct, 00:20
	2-4km SE	Recorded	2	Projectile	SW to NE	N/K	16-Oct, 00:21
	2-4km SE	Recorded	1	Projectile	SW to NE	N/K	16-Oct, 00:22
	2-4km ESE	Recorded	2	Projectile	W to E	N/K	16-Oct, 01:53
	4-6km SSE	Recorded	2	Projectile	WNW to ESE	N/K	16-Oct, 18:02
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	2-4km SE	Recorded	3	Projectile	WNW to ESE	N/K	15-Oct, 20:26
	2-4km SE	Recorded	3	Projectile	WNW to ESE	N/K	15-Oct, 20:27
	2-4km SE	Recorded	1	Projectile	NNW to SSE	N/K	15-Oct, 20:27
	2-4km SE	Recorded	2	Projectile	SSW to NNE	N/K	15-Oct, 22:08
	2-4km SE	Recorded	1	Projectile	NNE to SSW	N/K	15-Oct, 22:12
	2-4km SE	Recorded	1	Projectile	NNE to SSW	N/K	15-Oct, 22:13
	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	16-Oct, 01:11
	2-4km SSE	Recorded	3	Projectile	WSW to ENE	N/K	16-Oct, 01:12
	2-4km SSE	Recorded	5	Projectile	WSW to ENE	N/K	16-Oct, 01:31
	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	16-Oct, 02:00
	8-10km SE	Recorded	1	Illumination flare	In vertical flight	N/K	16-Oct, 18:17
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	16-Oct, 18:17
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1.5-3km E	Recorded	3	Projectile	N to S	N/K	15-Oct, 20:21
	2-4km E	Recorded	4	Projectile	N to S	N/K	15-Oct, 20:23
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 20:23
	2-4km ENE	Recorded	1	Illumination flare	In vertical flight	N/K	15-Oct, 20:34
	1.5-3km E	Recorded	1	Projectile	N to S	N/K	15-Oct, 22:07
	1.5-3km E	Recorded	6	Projectile	N to S	N/K	15-Oct, 22:31
	2-4km E	Recorded	4	Projectile	N to S	N/K	16-Oct, 00:49
	2-4km E	Recorded	3	Projectile	N to S	N/K	16-Oct, 01:07
	2-4km E	Recorded	2	Projectile	WSW to ENE	N/K	16-Oct, 01:07
	2-4km E	Recorded	2	Projectile	N to S	N/K	16-Oct, 02:22
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	1-3km NNE	Recorded	100	Projectile	W to E	N/K	15-Oct, 20:37
	1-3km NNE	Recorded	75	Projectile	W to E	N/K	15-Oct, 20:38
	1-3km NNE	Recorded	20	Projectile	W to E	N/K	15-Oct, 20:39
	1-3km NNE	Recorded	3	Projectile	E to W	N/K	15-Oct, 20:39
	1-3km NNE	Recorded	8	Projectile	W to E	N/K	15-Oct, 20:40
	1-3km NNE	Recorded	2	Explosion	Undetermined	N/K	15-Oct, 20:40
	1-3km ENE	Recorded	2	Projectile	W to E	N/K	15-Oct, 20:41
	1-3km N	Recorded	9	Projectile	WNW to ESE	N/K	15-Oct, 20:41
	1-3km N	Recorded	4	Projectile	WNW to ESE	N/K	15-Oct, 20:42
	1-3km NNE	Recorded	40	Projectile	W to E	N/K	15-Oct, 20:42
	1-3km NNE	Recorded	30	Projectile	W to E	N/K	15-Oct, 20:43
	1-3km NNE	Recorded	6	Projectile	W to E	N/K	15-Oct, 20:44

<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.

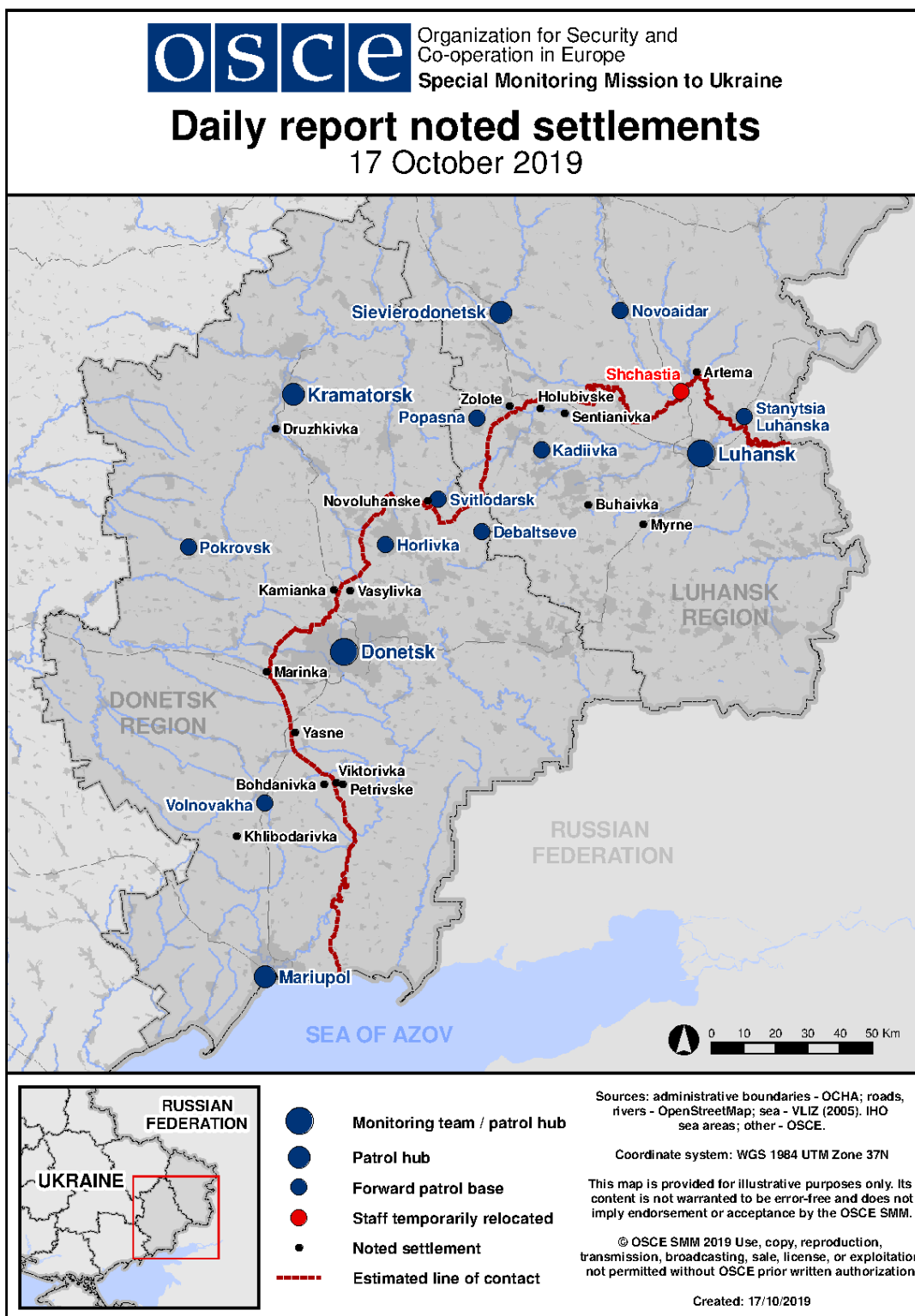
	1-3km NNE	Recorded	4	Projectile	W to E	N/K	15-Oct, 20:44
	1-3km NNE	Recorded	25	Projectile	W to E	N/K	15-Oct, 20:45
	1-3km NNE	Recorded	2	Explosion	Undetermined	N/K	15-Oct, 20:45
	1-3km NNE	Recorded	54	Projectile	W to E	N/K	15-Oct, 20:58
	1-3km NNE	Recorded	2	Projectile	W to E	N/K	15-Oct, 21:55
	1-3km NNE	Recorded	6	Projectile	W to E	N/K	15-Oct, 22:00
	1-3km NNE	Recorded	14	Projectile	W to E	N/K	15-Oct, 22:01
	1-3km NNE	Recorded	4	Projectile	W to E	N/K	15-Oct, 22:02
	1-3km NNE	Recorded	4	Projectile	WSW to ENE	N/K	15-Oct, 22:05
	1-3km NNE	Recorded	57	Projectile	W to E	N/K	15-Oct, 22:07
	1-3km NNE	Recorded	2	Explosion	Impact	N/K	15-Oct, 22:07
	1-3km NNE	Recorded	8	Projectile	W to E	N/K	15-Oct, 22:08
	1-3km NNE	Recorded	13	Projectile	W to E	N/K	15-Oct, 22:20
	1-3km NNE	Recorded	27	Projectile	W to E	N/K	15-Oct, 22:21
	1-3km NNE	Recorded	13	Projectile	W to E	N/K	15-Oct, 22:23
	1-3km NNE	Recorded	7	Projectile	W to E	N/K	15-Oct, 22:24
	1-3km N	Recorded	1	Projectile	WSW to ENE	N/K	15-Oct, 22:30
	1-3km N	Recorded	1	Projectile	SW to NE	N/K	15-Oct, 22:36
	1-3km NNE	Recorded	4	Projectile	W to E	N/K	15-Oct, 22:37
	1-3km NNE	Recorded	10	Projectile	W to E	N/K	15-Oct, 22:39
	1-3km N	Recorded	10	Projectile	W to E	N/K	15-Oct, 22:40
	1-3km NNE	Recorded	16	Projectile	W to E	N/K	15-Oct, 22:41
SMM camera at entry-exit checkpoint in Pyshchevyk (government-controlled, 84km S of Donetsk)	2-4km SSE	Recorded	1	Explosion	Airburst	N/K	15-Oct, 22:09
	3-5km SSE	Recorded	1	Explosion	Outgoing	N/K	15-Oct, 22:11
	5-7km S	Recorded	1	Projectile	NNW to SSE	N/K	16-Oct, 00:54
	2-4km S	Recorded	1	Projectile	E to W	N/K	16-Oct, 02:26
	2-4km S	Recorded	2	Projectile	W to E	N/K	16-Oct, 02:26
	2-4km S	Recorded	1	Projectile	W to E	N/K	16-Oct, 03:58
	2-4km S	Recorded	2	Projectile	W to E	N/K	16-Oct, 03:59
	2-3km SE	Recorded	1	Projectile	NE to SW	N/K	16-Oct, 18:19
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	3-5km N	Recorded	9	Projectile	In vertical flight	N/K	15-Oct, 18:55
	3-5km N	Recorded	5	Projectile	SE to NW	N/K	15-Oct, 18:58
	3-5km N	Recorded	3	Projectile	ESE to WNW	N/K	15-Oct, 19:00
	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 19:00
	3-5km N	Recorded	15	Projectile	ESE to WNW	N/K	15-Oct, 19:02
	2-4km NNE	Recorded	1	Projectile	SSE to NNW	N/K	15-Oct, 21:25
	2-4km NNE	Recorded	1	Projectile	WSW to ENE	N/K	15-Oct, 22:12
	2-4km N	Recorded	2	Projectile	SE to NW	N/K	15-Oct, 22:12
	2-4km N	Recorded	3	Projectile	SE to NW	N/K	15-Oct, 22:13
	2-4km NNE	Recorded	23	Projectile	WSW to ENE	N/K	15-Oct, 22:39
	2-4km NNE	Recorded	54	Projectile	WSW to ENE	N/K	15-Oct, 22:40
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	15-Oct, 23:51
	2-4km NNE	Recorded	1	Projectile	SW to NE	N/K	15-Oct, 23:51
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	16-Oct, 01:24
	2-4km NE	Recorded	1	Projectile	NW to SE	N/K	16-Oct, 18:27
2-4km NE	Recorded	1	Projectile	NW to SE	N/K	16-Oct, 18:30	
Donetsk city centre (non-government-controlled)	10-13km NNW	Heard	55	Explosion	Undetermined	N/K	16-Oct, 07:00-07:10
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	3-5km NE	Heard	2	Explosion	Undetermined	N/K	16-Oct, 10:01
	3-5km SSW	Heard	1	Explosion	Undetermined	N/K	16-Oct, 10:08
	3-5km NE	Heard	2	Explosion	Undetermined	N/K	16-Oct, 10:30
Dokuchaievsk (non-government-controlled,	2-3km W	Heard	1	Explosion	Undetermined	N/K	16-Oct, 11:53
	2-3km W	Heard	1	Explosion	Undetermined	N/K	16-Oct, 11:55

30km SW of Donetsk)	2-3km W	Heard	1	Explosion	Undetermined	N/K	16-Oct, 11:57
About 1km NW of Netailove (government-controlled, 22km NW of Donetsk)	3-5km S	Heard	1	Explosion	Undetermined	N/K	16-Oct, 10:07
Oleksandrivka (non-government-controlled, 20km SW of Donetsk)	1-2km S	Heard	2	Burst		Small arms	16-Oct, 13:10
About 2km N of Petrivske (non-government-controlled, 41km S of Donetsk)	4-6km NNW	Heard	3	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	16-Oct, 08:10-08:12
	4-6km NW	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	16-Oct, 08:14
	0-1km NW	Heard	9	Shot	Assessed as outside the disengagement area	Small arms	16-Oct, 08:19-08:22
	2-3km S	Heard	1	Burst	Assessed as outside of the disengagement area	HMG	16-Oct, 08:30
	1km NW	Heard	2	Shot	Assessed as outside the disengagement area	Small arms	16-Oct, 08:35
	5-8km SE	Heard and saw	1	Explosion	Impact (assessed as outside the disengagement area)	N/K	16-Oct, 14:08
	1-2km SSE	Heard	4	Shot	Assessed as outside the disengagement area	Small arms	16-Oct, 15:15
About 800m NW of Petrivske (non-government-controlled, 41km S of Donetsk)	1km SW	Heard	1	Shot	Assessed as inside the disengagement area	Small arms	16-Oct, 09:30
2km NE of Bohdanivka (government-controlled, 41km SW of Donetsk)	1-2km SE	Heard	1	Shot	Assessed as inside the Petrivske disengagement area	Small arms	16-Oct, 10:30
	1-1.5km E	Heard	5	Shot	Assessed as outside the Petrivske disengagement area	Small arms	16-Oct, 12:35
	6-8km SE	Heard	2	Explosion	Undetermined (assessed as outside the Petrivske disengagement	N/K	16-Oct, 14:12

					area)		
1km NE of Berezove (government-controlled, 31km SW of Donetsk)	2-3km E	Heard	1	Burst		Small arms	16-Oct, 13:46
	2-3km E	Heard	1	Shot		Small arms	16-Oct, 13:46
Holmivskiyi (non-government-controlled, 49km NE of Donetsk)	1-2km ENE	Heard	1	Explosion	Undetermined	N/K	16-Oct, 09:00
	3-4km E	Heard	1	Explosion	Undetermined	N/K	16-Oct, 09:30
	3-4km E	Heard	1	Explosion	Undetermined	N/K	16-Oct, 09:53
	3-4km ESE	Heard	4	Burst		N/K	16-Oct, 12:25
Svitlodarsk (government-controlled, 57km NE of Donetsk)	4-5km SSE	Heard	3	Explosion	Undetermined	N/K	16-Oct, 17:21
	3-4km SSE	Heard	22	Explosion	Undetermined	N/K	16-Oct, 17:26-17:32
	3-4km SSE	Heard	2	Explosion	Undetermined	N/K	16-Oct, 17:35-17:37
	3-4km SSE	Heard	2	Explosion	Undetermined	N/K	16-Oct, 17:40-17:48
	3-4km SSE	Heard	5	Burst		HMG	16-Oct, 17:40-17:48
	3-4km SSE	Heard	7	Burst		HMG	16-Oct, 18:08-18:30
	3-4km SSE	Heard	5	Explosion	Undetermined	N/K	16-Oct, 18:08-18:30
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2-4km ENE	Recorded	1	Projectile	N to S (assessed as outside the disengagement area)	N/K	15-Oct, 21:32
	2-4km ENE	Recorded	3	Projectile	NW to SE (assessed as outside the disengagement area)	N/K	15-Oct, 21:34
	2-4km ENE	Recorded	4	Projectile	N to S (assessed as outside the disengagement area)	N/K	15-Oct, 21:43
	3-6km SSE	Recorded	1	Illumination flare	In vertical flight (unable to assess if inside or outside the disengagement area)	N/K	15-Oct, 23:39
	1-2km ESE	Recorded	1	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	15-Oct, 23:58
	1-2km ESE	Recorded	1	Projectile	SSW to NNE (assessed as outside the disengagement area)	N/K	15-Oct, 23:59
	1-2km E	Recorded	1	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	16-Oct, 02:01
	2-4km E	Recorded	2	Projectile	NNW to SSE (assessed as outside the	N/K	16-Oct, 02:54

					disengagement area)		
E edge of Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)	4-5km S	Heard	1	Burst		HMG	15-Oct, 21:08
2.5km NE of Sentianivka (formerly Frunze, non-government-controlled, 44km W of Luhansk)	2.5km ENE	Heard	70	Shot		Small Arms	16-Oct, 10:45-10:47
S edge of Popasna (government-controlled, 69km west of Luhansk)	7-9km SE	Heard	12	Explosion	Undetermined	N/K	16-Oct, 14:30-14:45
	7-9km SE	Heard	37	Explosion	Undetermined	N/K	16-Oct, 14:46-15:10
	3-4km SE	Heard	12	Shot and burst		Small Arms	16-Oct, 14:46-15:10

### 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).