

# Daily Report 243/2021

16 October 2021<sup>1</sup>

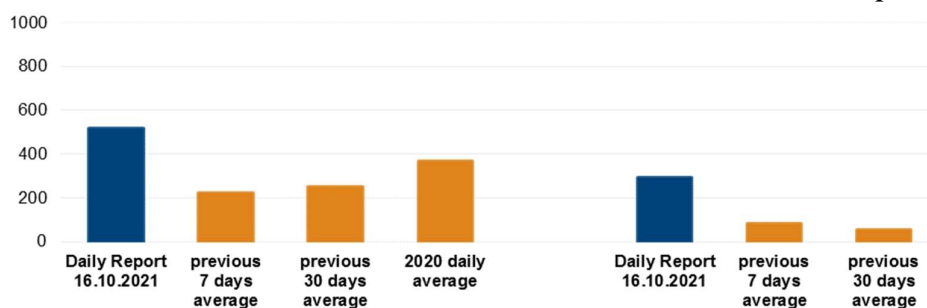
## Summary

- In Donetsk region, the SMM recorded 236 ceasefire violations, including 72 explosions. In the previous reporting period, it recorded 32 ceasefire violations in the region.
- In Luhansk region, the Mission recorded 273 ceasefire violations, including 214 explosions. In the previous reporting period, it recorded 207 ceasefire violations in the region.
- The SMM corroborated reports of a man and a woman injured in non-government-controlled Dokuchaievsk.
- The Mission saw recent damage to a working school in Zolote-5/Mykhailivka, Luhansk region.
- From the morning of 15 October, the SMM observed a gathering in front of the hotel where Mission members reside in non-government-controlled Donetsk city, which prevented any patrol movement in and out of its premises on 15 and 16 October.\*
- The Mission continued monitoring the disengagement areas near Stanytsia Luhanska, Zolote and Petrivske.\* It recorded ceasefire violations inside the disengagement area near Petrivske.
- The SMM facilitated and monitored adherence to localized ceasefires to enable the operation, maintenance and repair of critical civilian infrastructure.
- The Mission continued following up on the situation of civilians, including at four entry-exit checkpoints and three corresponding checkpoints of the armed formations in Donetsk and Luhansk regions.
- The SMM monitored gatherings in Kharkiv, Dnipro, Odessa, Ivano-Frankivsk and Mukacheve, Zakarpattia region.
- The Mission's freedom of movement continued to be restricted, including at checkpoints of the armed formations south of the Stanytsia Luhanska bridge and on the southern edge of the disengagement area near Zolote.\*

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

Number of recorded ceasefire violations<sup>3</sup>

Number of recorded explosions<sup>4</sup>



<sup>1</sup> Based on information from the Monitoring Teams as of 19:30, 15 October 2021. All times are in Eastern European Summer Time.

<sup>2</sup> For a complete breakdown of ceasefire violations, please see the annexed table.

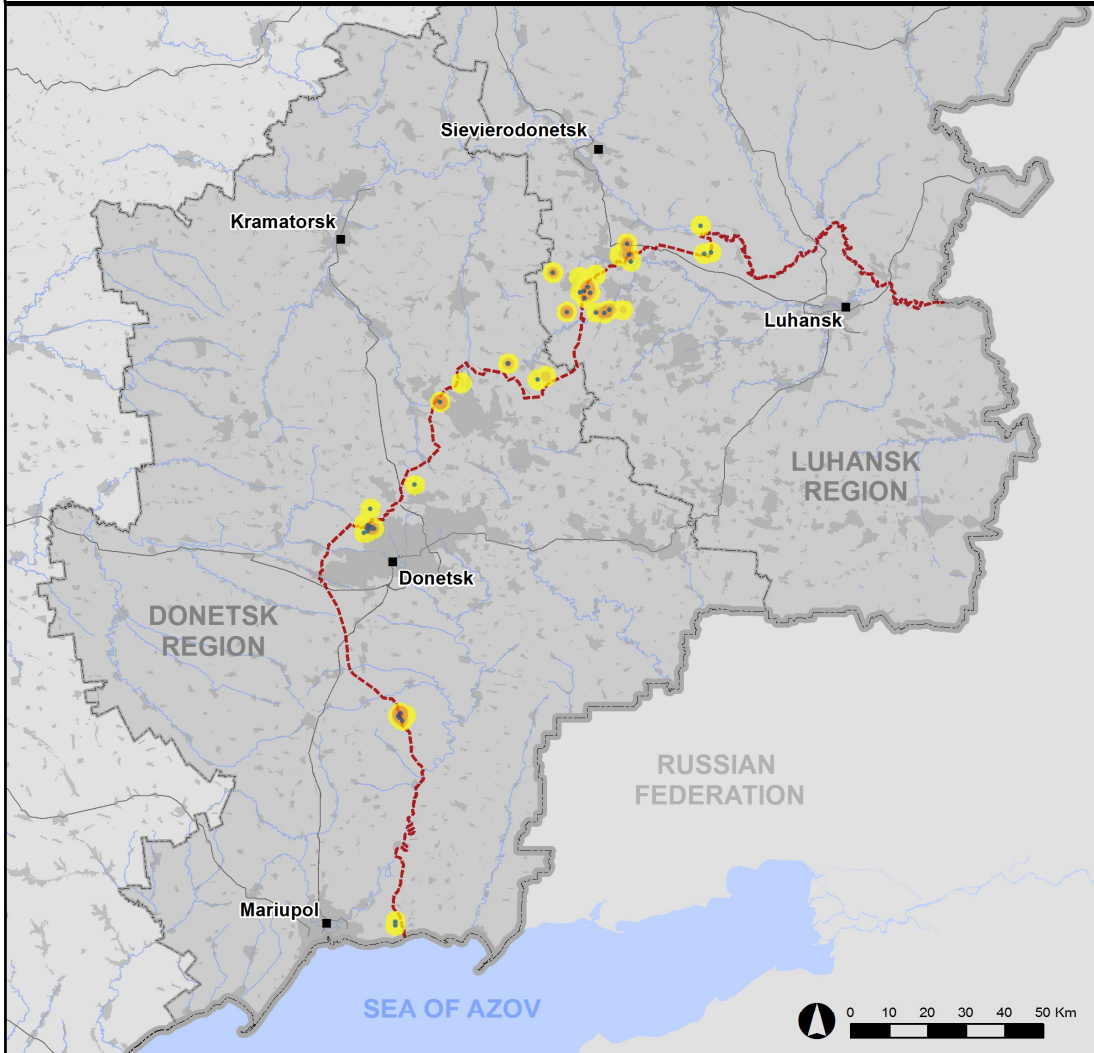
<sup>3</sup> Including explosions.

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

### Map of recorded ceasefire violations

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

## Ceasefire violations observed by the SMM 15 October 2021



#### Ceasefire violation concentration

- High
- Medium
- Low
- Explosion
- Settlement
- Estimated line of contact

Sources: Administrative Boundaries - OCHA; Roads, Rivers - OpenStreetMap; Sea - VLIZ (2005). IHO Sea Areas; Other - OSCE.

Coordinate System: WGS 1984 UTM Zone 37N

This map is provided for illustrative purposes only. Its content is not warranted to be error-free and does not imply endorsement or acceptance by the OSCE SMM.

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Created: 16/10/2021

In Donetsk region, the SMM recorded 236 ceasefire violations, including 72 explosions (two impacts, one airburst and 69 undetermined). The majority of ceasefire violations occurred inside and near the disengagement area near Petrivske (non-government-controlled, 41km south of Donetsk) (see below), north-west of Horlivka (non-government-controlled, 39km north-east of Donetsk) and west of the Oktiabr mine (non-government-controlled, 9km north-west of Donetsk city centre). In the [previous reporting period](#), the Mission recorded 32 ceasefire violations in the region.

In Luhansk region, the SMM recorded 273 ceasefire violations, including 214 explosions (32 outgoing and 182 undetermined). The majority of ceasefire violations occurred in areas near the disengagement area near Zolote (government-controlled, 60km west of Luhansk) (see below). In the [previous reporting period](#), the SMM recorded 207 ceasefire violations in the region, the majority of which also occurred near the disengagement area near Zolote.

Following agreement reached at the meeting of the Trilateral Contact Group (TCG) on 22 July 2020 regarding Measures to strengthen the ceasefire, from 00:01 on 27 July 2020 until the end of the reporting period, the SMM has recorded at least 64,923 ceasefire violations in both Donetsk and Luhansk regions (including 18,060 explosions, 13,091 projectiles in flight, 288 muzzle flashes, 263 illumination flares and at least 33,221 bursts and shots).

### **Two civilian casualties corroborated in non-government-controlled Dokuchaievsk**

The Mission followed up on reports of a man and a woman injured in non-government-controlled Dokuchaievsk (30km south-west of Donetsk) on 11 September.

On 16 September, a man (in his fifties) told the Mission over the phone that on the morning of 11 September, he had been in the garden of his house at 3 Hrybna Street in the southern part of Dokuchaievsk with his wife when they heard sounds of shelling and that they had taken shelter in their garage. He added that he had lost consciousness following explosions nearby and that subsequently, his wife and himself had started feeling unwell and had decided to go to the hospital in Dokuchaievsk.

On 21 September, a woman (in her fifties) told the SMM over the phone that on the morning of 11 September, she and her husband had been in the garden of their house when she heard sounds of shelling and that they had taken shelter in their garage. She added that she had lost consciousness when shelling intensified. She said that when she had regained consciousness, she had felt unwell and had seen that her husband was covered in blood.

On 15 September, medical staff at a hospital in Dokuchaievsk told the Mission over the phone that on the same day, a woman and a man (in their fifties) had been admitted with cerebral concussion. On 12 October, the SMM saw the medical certificates of the woman and the man stating that both were suffering from symptoms consistent with severe cerebral concussion.

On 22 September, an SMM mini-unmanned aerial vehicle (UAV) spotted two holes (about 5m in diameter) in the north-west and south-east-facing sides of the roof of a residential house at 3 Hrybna Street. The Mission assessed as the damage to the roof as recent and probably caused by shelling but it was unable to assess the direction of fire.

### **Damage to a school in non-government-controlled Zolote-5/Mykhailivka, Luhansk region**

On 14 October, the Mission followed up on reports of damage to a working school in Zolote-5/Mykhailivka (non-government-controlled, 60km west of Luhansk).

At a two-storey school building at 3 Voikova Street, in the southern part of Zolote-5/Mykhailivka and about 800m south of positions of the armed formations, the SMM saw a hole (about 3cm in diameter) in the upper-middle part of a double-pane west-facing window located on the ground floor. The SMM assessed the damage as fresh and caused by small-arms fire.

### **Gathering in front of the hotel where Mission members reside in non-government-controlled Donetsk city**

From the morning of 15 October, in front of the hotel where Mission members reside in the central part of non-government-controlled Donetsk city, the SMM observed a gathering of between 50 and 100 people (mostly young men). It saw some of them were holding posters and expressing opinions critical of the Mission's activities, and specifically of events that occurred inside the disengagement area near Zolote on 13 October, when a member of the armed formations was reportedly detained by the Ukrainian Armed Forces. At about 18:30, the SMM observed participants of the gathering pitching 22 tents with heating and electricity as well as portable toilets in front of the hotel where SMM mission members reside. Throughout the day the participants rotated in an orderly fashion and the Mission observed a calm situation. The Mission saw the protest continue on 16 October.\*

### **The SMM lost spatial control of a mini-UAV near non-government-controlled Peremozhne, Luhansk region**

On the morning of 15 October, the SMM was positioned on the north-eastern edge of Peremozhne (non-government-controlled, 19km south of Luhansk) to conduct an announced mini-UAV flight. From 10:40 to 10:47, the UAV experienced GPS signal interference, assessed as caused by probable jamming, after which the SMM lost spatial control over the UAV, while it was flying about 1.2km west-north-west of the SMM's position. The SMM subsequently retrieved the UAV with damage to its legs and camera.\*

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

Inside the **disengagement area near Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk), the Mission saw three members of the armed formations (wearing armbands with "JCCC" written on them) south of the repaired span of the Stanytsia Luhanska bridge (15km north-east of Luhansk).

During the day on 15 October, while positioned in five locations near the **disengagement area near Zolote**, the SMM heard 36 undetermined explosions and 32 bursts (of which 27 were identified as heavy-machine-gun fire and five of undetermined weapons), all assessed as outside the disengagement area but within 5km of its periphery.

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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.

Near the checkpoint of the armed formations south of the disengagement area, the Mission saw seven members of the armed formations (wearing armbands with “JCCC” written on them).

On the same day, the SMM again saw the seven previously observed containers located south of the disengagement area’s southern edge and inside the area, as well as the previously reported underground structure inside the area. The Mission again saw that road barriers across road T-1316, on the area’s southern edge and about 20m north of it, were closed. (For a previous similar observation, see [SMM Daily Report of 15 October 2021](#).)

The Mission heard one and observed two non-SMM UAVs flying in areas close to the contact line, despite the ban on the operation of aerial vehicles included in the 22 July 2020 agreement on Measures to strengthen the ceasefire. Near the checkpoint of the armed formations south of the disengagement area, the SMM saw a non-SMM UAV (a Mavic type) fly over the area from a north-north-westerly to a south-south-easterly direction and return. While positioned outside the disengagement area, about 500m north of its northern edge, the SMM saw another non-SMM UAV (a DJI Mavic 2 type) flying over the area from a northerly to a southerly direction, as well as a woman (in her thirties) in military clothing, assessed as operating the UAV from a location about 50m north of the SMM’s position. While positioned on the north-eastern outskirts of Orikhove (government-controlled, 57km north-west of Luhansk), on two occasions between 14:05 and 14:25, the SMM heard the sound of a non-SMM UAV, flying from a west-north-westerly to an east-south-easterly direction.

On the evening and night of 14-15 October, the SMM camera in Bohdanivka (government-controlled, 41km south-west of Donetsk) recorded four explosions (one impact, one airburst and two undetermined), two muzzle flashes and 74 projectiles in flight at an assessed range of 2-5km east-south-east and south-east, assessed as inside the **disengagement area near Petrivske**. During the same period, the camera recorded one undetermined explosion and 18 projectiles in flight at an assessed range of 3-5km south-east, assessed as outside the disengagement area but within 5km of its periphery.

During the day on 15 October, while positioned about 2km east of Bohdanivka, the Mission observed a calm situation. Due to the suspension of patrolling by the Donetsk Patrol Hub, in connection with a gathering in front of the hotel where Mission members reside in Donetsk city (see above), the SMM was unable to send a patrol to monitor the disengagement area from Petrivske.

### **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.

In violation of withdrawal lines, the Mission saw one surface-to-air missile system in a residential area in a government-controlled area of Luhansk region.

### **Indications of military and military-type presence in the security zone**

The Mission observed four armoured combat vehicles in government-controlled areas of Donetsk and Luhansk regions, including in a residential area. (For further information, see the table below.)



### **Presence of mine hazard signs near Berdianske, Donetsk region**

At five locations on the north-eastern outskirts of Berdianske (government-controlled, 102km south of Donetsk), on the northern edge of a local road, the SMM saw mine hazard signs assessed as recent (three rectangular and two triangular pieces of wood with “Danger! Mines” written on them in Ukrainian and Russian), attached to wooden sticks.

### **SMM facilitation - the operation, maintenance and repairs of critical civilian infrastructure**

The Mission continued to facilitate the operation of the Donetsk Filtration Station (15km north of Donetsk) (DFS). While positioned at one location near the station, the SMM heard two undetermined explosions, assessed as inside a 5km radius of the DFS.

The Mission also monitored adherence to a localized ceasefire to enable assessment and maintenance works at two phenol sludge reservoirs near Nelipivka (government-controlled, 40km north of Donetsk) and to facilitate repairs to water pipelines in Horlivka.

### **Situation at entry-exit checkpoints and corresponding checkpoints**

In Donetsk region, the SMM observed that the entry-exit checkpoint (EECP) near Novotroitske (government-controlled, 36km south-west of Donetsk) was open, with people queueing to travel in both directions. Due to the suspension of patrolling by the Donetsk Patrol Hub, in connection with a gathering in front of the hotel where Mission members reside in Donetsk city (see above), the SMM was unable to send a patrol to monitor the corresponding checkpoint of the armed formations near Olenivka (non-government-controlled, 23km south-west of Donetsk).

In Luhansk region, the SMM observed that the EECP near Stanytsia Luhanska and the corresponding checkpoint of the armed formations south of the Stanytsia Luhanska bridge were open, with people queueing to travel in both directions. About 50m north of the EECP, the Mission saw six workers (age and gender unknown) operating a crane and carrying out construction works on a pedestrian shelter.

The Mission noted that the EECPs near Zolote, and Shchastia (government-controlled, 20km north of Luhansk) were open, but that the corresponding checkpoints of the armed formations south of the disengagement area near Zolote, and 3km south-east of the bridge in Shchastia were closed.

### **The SMM monitored gatherings in Kharkiv, Dnipro, Odessa, Ivano-Frankivsk and Mukacheve (Zakarpattia region)**

On 14 October, the SMM monitored peaceful gatherings on the occasion of the Day of the Defenders and Defendresses of Ukraine in Kharkiv, Dnipro, Odessa, Ivano-Frankivsk and Mukacheve, Zakarpattia region, where it observed about 400, 200, 200, 500 and 250 participants (mixed genders and ages), respectively. (For similar observations in Lviv and Kyiv, see [SMM Daily Report of 15 October 2021](#).)

The SMM continued monitoring in Lviv, Kherson, 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 Minsk agreements have agreed on the need for this safe and secure access, that restriction of the SMM's freedom of movement constitutes a violation, and on the need for rapid response to these violations. They have also agreed that the Joint Centre for Control and Co-ordination (JCCC) should contribute to such response and co-ordinate mine clearance. Nonetheless, the armed formations in parts of Donetsk and Luhansk regions frequently deny the SMM access to areas adjacent to Ukraine's border outside control of the government (for example, see [SMM Daily Report of 15 October 2021](#)). 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.*

### Denials:

- At a checkpoint south of the Stanytsia Luhanska bridge (15km north-east of Luhansk), a member of the armed formations [again](#) denied the SMM passage towards the bridge, referring to a lack of prior coordination with those in control.
- Inside the disengagement area near Zolote (government-controlled, 60km west of Luhansk), about 350m north of the area's southern edge, four members of the armed formations (wearing armbands with "JCCC" written on them) denied a patrol of the SMM Deputy Chief Monitor passage towards non-government-controlled areas, citing "the SMM's safety".
- At a checkpoint at the southern edge of the disengagement area near Zolote, a member of the armed formations (wearing armbands with "JCCC" written on them) denied the Mission's passage into the area, referring to a lack of permission from those in control. (For a previous similar event, see [SMM Daily Report of 15 October 2021](#).)

### *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:<sup>6</sup>

- On 15 and 16 October, as a result of a protest in front of the hotel where Mission members reside in non-government-controlled Donetsk city, the SMM was unable to deploy any patrols from that location to conduct its mandated tasks. It also could not conduct some of its planned UAV flights and camera maintenance.
- The Mission lost spatial control of a mini-UAV during one flight over areas near Peremozhne (non-government-controlled, 19km south of Luhansk). The SMM was able to retrieve the UAV with damage. During the same flight, the UAV experienced GPS signal interference, assessed as caused by probable jamming. (See above.)

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<sup>6</sup> For cases of probable jamming and jamming mentioned in this section, the interference could have originated from anywhere within the radius of tens of kilometres from the UAVs' positions.



- While conducting a test flight, an SMM long-range UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying over Varvarivka (government-controlled, 81km north-west of Donetsk) and over areas between Naholno-Tarasivka (non-government-controlled, 64km south of Luhansk) and Lobacheve (non-government-controlled, 13km east of Luhansk) and between Andriivka (government-controlled, 79km north-west of Donetsk) and Varvarivka. The same UAV experienced dual GPS signal interference, assessed as caused by jamming, while flying over areas between Varvarivka and Naholno-Tarasivka and between Lobacheve and Andriivka.
- SMM mini-UAVs experienced GPS signal interference, assessed as caused by probable jamming, during five flights: on three occasions over areas near Zolote-3 (government-controlled, 61km west of Luhansk) and on one occasion each over areas near Vyskryva (government-controlled, 76km west of Luhansk) and near Teplychne (non-government-controlled, 8km west of Luhansk).

## Tables of weapons

### Weapons in violation of withdrawal lines

Date	No. of weapons	Type of weapon	Location	Source of observation
<b>Government-controlled areas</b>				
15/10/2021	1	Surface-to-air missile system (9K33, <i>Osa</i> )	In a residential area of Novozvanivka (70km west of Luhansk)	Patrol

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

Date	No.	Type	Location	Source of observation
<b>Government-controlled areas</b>				
15/10/2021	2	Infantry fighting vehicle (BMP-2)	In a residential area of Novotroitske (36km south-west of Donetsk)	Patrol
	1	Armoured reconnaissance vehicle (BRDM-2)	Near Netailove (22km north-west of Donetsk)	
	1	Armoured personnel carrier (type undetermined)	Near Novozvanivka (70km west of Luhansk)	

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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.

**Table of ceasefire violations as of 15 October 2021<sup>8</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	2-3km ESE	Recorded	1	Projectile	NNW to SSE (assessed as inside the disengagement area near Petrivske)	N/K	14-Oct, 19:49
	2-3km ESE	Recorded	2	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	14-Oct, 19:49
	2-3km ESE	Recorded	4	Projectile	NNW to SSE (assessed as inside the disengagement area near Petrivske)	N/K	14-Oct, 20:05
	2-3km ESE	Recorded	1	Projectile	NNW to SSE (assessed as inside the disengagement area near Petrivske)	N/K	14-Oct, 20:05
	2-4km SE	Recorded	1	Explosion	Airburst (subsequent to previous event, assessed as inside the disengagement area near Petrivske)	N/K	14-Oct, 20:05
	2-3km ESE	Recorded	1	Muzzle flash	Assessed as inside the disengagement area near Petrivske)	N/K	14-Oct, 20:05
	3-5km ESE	Recorded	1	Muzzle flash	Assessed as inside the disengagement area near Petrivske)	N/K	14-Oct, 20:11
	3-5km SE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	14-Oct, 20:11
	2-3km SE	Recorded	3	Projectile	SW to NE (assessed as inside the disengagement area near Petrivske)	N/K	14-Oct, 20:37
	2-3km SE	Recorded	1	Projectile	SW to NE (assessed as inside the disengagement area near Petrivske)	N/K	14-Oct, 20:51
	2-3km ESE	Recorded	3	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	14-Oct, 21:32
	2-3km ESE	Recorded	1	Projectile	In vertical flight (assessed as inside the disengagement area near Petrivske)	N/K	14-Oct, 21:32
	2-3km ESE	Recorded	2	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	14-Oct, 21:37
	2-3km SE	Recorded	15	Projectile	SW to NE (assessed as inside the disengagement area near Petrivske)	N/K	14-Oct, 21:42

<sup>8</sup> The table only includes ceasefire violations directly observed by SMM patrols or recorded by the SMM cameras, and it may include those also assessed to be live-fire exercises, controlled detonations, etc. Details provided – in terms of distance, direction, weapons-type, etc. – are based on assessments provided by monitors on the ground and technical monitoring officers, and are not always necessarily precise. When information is not known (indicated with an “N/K”), the SMM was unable to ascertain such information due to distance, weather conditions technical limitations and/or other considerations. Ceasefire violations recorded by more than one patrol/camera and assessed to be the same are entered only once.

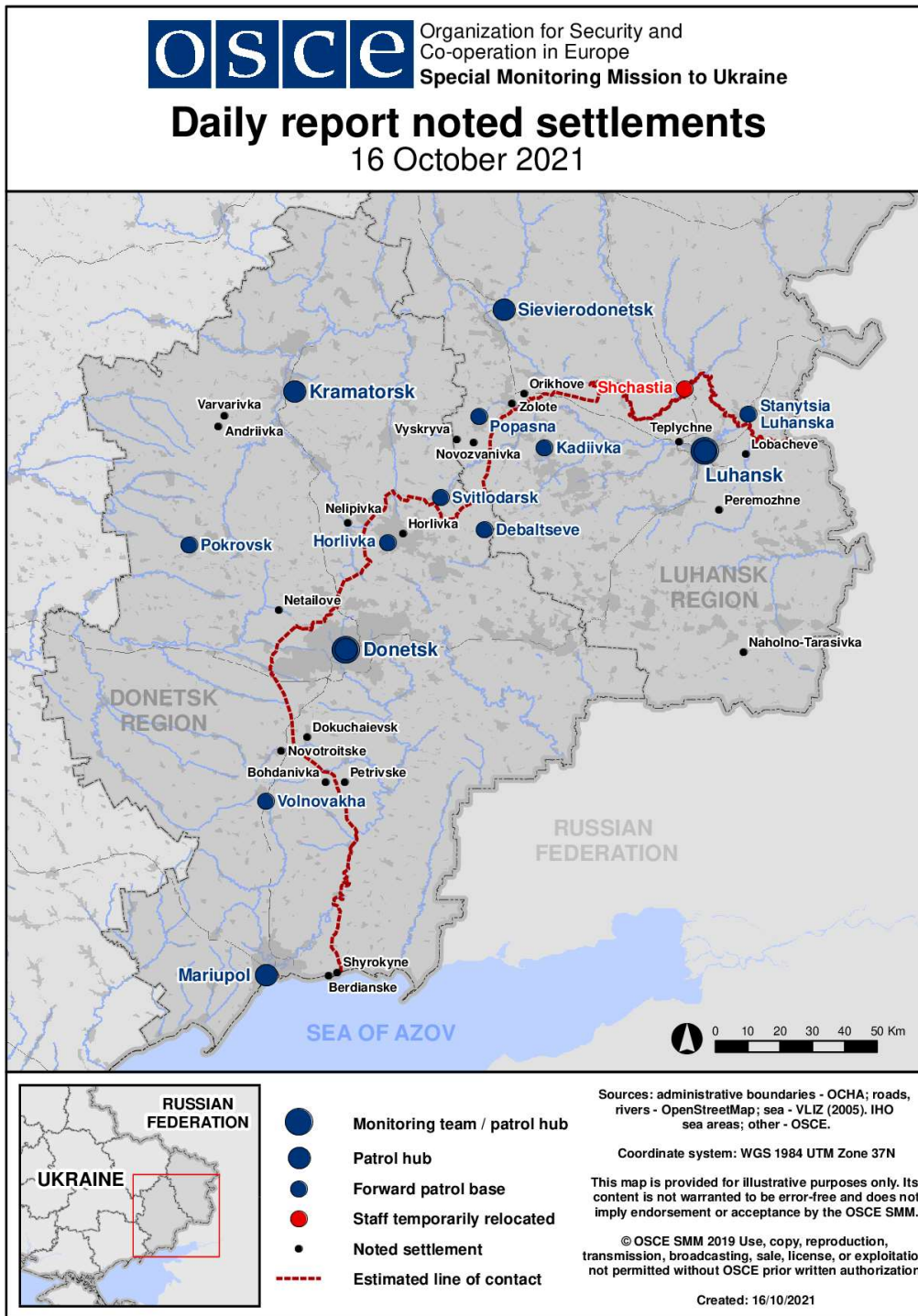
SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	2-3km ESE	Recorded	15	Projectile	NNW to SSE (assessed as inside the disengagement area near Petrivske)	N/K	14-Oct, 22:13
	2-3km ESE	Recorded	7	Projectile	NNW to SSE (assessed as inside the disengagement area near Petrivske)	N/K	14-Oct, 22:15
	2-3km ESE	Recorded	1	Projectile	NNW to SSE (assessed as inside the disengagement area near Petrivske)	N/K	14-Oct, 22:16
	2-3km SE	Recorded	1	Explosion	Impact (subsequent to previous event, assessed as inside the disengagement area near Petrivske)	N/K	14-Oct, 22:16
	2-3km ESE	Recorded	1	Explosion	Undetermined (assessed as inside the disengagement area near Petrivske)	N/K	14-Oct, 22:16
	2-3km ESE	Recorded	1	Explosion	Undetermined (assessed as inside the disengagement area near Petrivske)	N/K	14-Oct, 22:16
	2-3km ESE	Recorded	10	Projectile	NNW to SSE (assessed as inside the disengagement area near Petrivske)	N/K	14-Oct, 22:25
	2-3km ESE	Recorded	7	Projectile	NNW to SSE (assessed as inside the disengagement area near Petrivske)	N/K	14-Oct, 22:26
	3-5km SE	Recorded	9	Projectile	WSW to ENE (assessed as outside the disengagement area near Petrivske)	N/K	14-Oct, 22:36
	2-3km ESE	Recorded	1	Projectile	NNW to SSE (assessed as inside the disengagement area near Petrivske)	N/K	14-Oct, 23:25
	2-3km ESE	Recorded	2	Projectile	NNW to SSE (assessed as inside the disengagement area near Petrivske)	N/K	15-Oct, 00:02
	3-5km SE	Recorded	4	Projectile	SW to NE (assessed as outside the disengagement area near Petrivske)	N/K	15-Oct, 00:11
	3-5km SE	Recorded	3	Projectile	WSW to ENE (assessed as outside the disengagement area near Petrivske)	N/K	15-Oct, 01:55
	3-5km SE	Recorded	2	Projectile	WSW to ENE (assessed as outside the disengagement area near Petrivske)	N/K	15-Oct, 01:56
SMM camera at EECF in Maiorsk (government-controlled, 45km NE of Donetsk)	2-3km E	Recorded	1	Projectile	In vertical flight	N/K	14-Oct, 19:34
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	0.5-1km W	Recorded	6	Explosion	Undetermined	N/K	14-Oct, 21:31
	0.5-1km W	Recorded	5	Explosion	Undetermined	N/K	14-Oct, 21:32
	0.5-1km W	Recorded	2	Explosion	Undetermined	N/K	14-Oct, 21:33
	0.5-1km W	Recorded	1	Muzzle flash		N/K	14-Oct, 21:33
	1-3km WNW	Recorded	2	Explosion	Undetermined	N/K	14-Oct, 21:48
	1-3km WSW	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 21:48
	1-3km WSW	Recorded	Uncountable	Explosion	Undetermined	N/K	14-Oct, 21:54
	2-4km WNW	Recorded	1	Muzzle flash	SE to NW	N/K	14-Oct, 21:57
2-4km WNW	Recorded	1	Projectile	SE to NW (subsequent to previous event)	N/K	14-Oct, 21:57	

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	1-2km WNW	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 22:00
	1-3km W	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 22:01
	2-4km WSW	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 22:07
	1-3km WNW	Recorded	2	Explosion	Undetermined	N/K	14-Oct, 22:08
	0.5-1km WNW	Recorded	2	Explosion	Undetermined	N/K	14-Oct, 22:10
	0.5-1km W	Recorded	1	Muzzle flash		N/K	14-Oct, 22:17
	0.5-1km W	Recorded	1	Projectile	N to S (subsequent to previous event)	N/K	14-Oct, 22:17
	0.5-1km W	Recorded	1	Explosion	Undetermined (subsequent to previous event)	N/K	14-Oct, 22:17
	0.5-1km W	Recorded	2	Explosion	Undetermined	N/K	14-Oct, 22:19
	100-500m W	Recorded	2	Explosion	Undetermined	N/K	14-Oct, 22:28
	100-500m W	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 22:30
	100-500m W	Recorded	1	Projectile	N to S	N/K	14-Oct, 22:40
	100-500m W	Recorded	2	Explosion	Undetermined	N/K	14-Oct, 22:42
	100-500m W	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 22:52
	300-500m W	Recorded	1	Projectile	N to S	N/K	15-Oct, 02:55
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	3-5km N	Recorded	2	Projectile	W to E	N/K	14-Oct, 19:37
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 19:39
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 19:40
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 19:41
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 19:42
	3-5km N	Recorded	1	Muzzle flash		N/K	14-Oct, 19:57
	3-5km N	Recorded	1	Projectile	WSW to ENE (subsequent to previous event)	N/K	14-Oct, 19:57
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km WNW	Heard	1	Explosion	Undetermined	N/K	14-Oct, 18:32
	3-5km WNW	Heard	14	Explosion	Undetermined	N/K	14-Oct, 18:35-18:39
	3-5km WNW	Heard	2	Explosion	Undetermined	N/K	14-Oct, 18:51
About 2km SSE of Kamianka (government-controlled, 20km N of Donetsk)	3-5km E	Heard	2	Explosion	Undetermined	N/K	15-Oct, 08:49
About 1.5km ESE of Luhanske (government-controlled, 59km NE of Donetsk)	2-4km SE	Heard	13	Shot		Small arms	15-Oct, 09:11
	2-4km S	Heard	1	Explosion	Undetermined	N/K	15-Oct, 09:14
About 2km WNW of Pisky (government-controlled, 12km NW of Donetsk)	5km NE	Heard	3	Explosion	Undetermined	N/K	15-Oct, 11:56
W part of Horlivka (non-government-controlled, 39km NE of Donetsk)	3km NW	Heard	7	Explosion	Undetermined	Mortar (type N/K)	15-Oct, 14:10-14:25
	3km NW	Heard	50	Shot		HMG	15-Oct, 14:10-14:25
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	2-4km ESE	Recorded	2	Illumination flare	In vertical flight	N/K	14-Oct, 20:38
N edge of Popasna (government-controlled, 69km W of Luhansk)	3-5km W	Heard	20	Explosion	Outgoing	Mortar (type N/K)	15-Oct, 06:40-07:10
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	5-7km W	Heard	9	Burst		HMG	15-Oct, 06:51-06:54
	8-11km W	Heard	16	Burst		N/K	15-Oct, 07:11-07:18
	8-11km W	Heard	4	Explosion	Undetermined	N/K	15-Oct, 07:11-07:18
N edge of Zolote-4/Rodina (government-controlled, 62km W of Luhansk)	2-3km NE	Heard	3	Burst	Assessed as outside the disengagement area	HMG	15-Oct, 10:14-10:20
	3-4km NE	Heard	6	Burst	Assessed as outside the disengagement area	HMG	15-Oct, 10:14-10:20
W edge of Irmino (non-government-controlled, 54km W of Luhansk)	4-8km SW	Heard	24	Explosion	Undetermined	N/K	15-Oct, 10:35-11:01
About 2km NNE of Vyskryva (government-controlled, 76km W of Luhansk)	5-10km SE	Heard	32	Explosion	Undetermined	Mortar (type N/K)	15-Oct, 10:30-11:05
N edge of Molodizhne (non-government-controlled, 63km NW of Luhansk)	8-10km S	Heard	9	Explosion	Undetermined	N/K	15-Oct, 10:59-11:09

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	2-4km SW	Heard	11	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	15-Oct, 11:24-11:32
	2-4km SW	Heard	18	Burst	Assessed as outside the disengagement area near Zolote	HMG	15-Oct, 11:24-11:32
N edge of the disengagement area near Zolote (government-controlled, 60km W of Luhansk)	3-5km SW	Heard	5	Burst	Assessed as outside the disengagement area	N/K	15-Oct, 11:22-11:30
About 400m N of the N edge of the disengagement area near Zolote (government-controlled, 60km W of Luhansk)	7-8km NE	Heard	24	Explosion	Undetermined	N/K	15-Oct, 14:25-14:45
Zolote-3/Stakhanovets (government-controlled, 61km W of Luhansk)	7-8km E	Heard	6	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	15-Oct, 12:20-12:25
N edge of Trokhizbenka (government-controlled, 32km NW of Luhansk)	8-10km W	Heard	5	Explosion	Undetermined	N/K	15-Oct, 11:25-11:40
	8-10km SW	Heard	5	Explosion	Undetermined	N/K	15-Oct, 11:50-12:00
W edge of Pervomaisk (non-government-controlled, 58km W of Luhansk)	3-7km WSW	Heard	9	Explosion	Undetermined	N/K	15-Oct, 12:53-13:10
	5-7km WSW	Heard	4	Explosion	Undetermined	N/K	15-Oct, 13:31-13:36
About 3km N of Pervomaisk (non-government-controlled, 58km W of Luhansk)	6-8km NE	Heard	16	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	15-Oct, 14:08-14:39
	6-8km SW	Heard	15	Explosion	Undetermined	N/K	15-Oct, 14:08-14:39
	6-8km NE	Heard	3	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	15-Oct, 14:50-14:51
	8-10km SW	Heard	12	Explosion	Undetermined	N/K	15-Oct, 15:55-16:02
SE edge of Orikhove (government-controlled, 57km NW of Luhansk)	3-4km ESE	Heard	12	Explosion	Outgoing	Artillery (type N/K)	15-Oct, 13:50-14:05
About 1km NE of Kriakivka (government-controlled, 38km NW of Luhansk)	8-10km SSW	Heard	3	Explosion	Undetermined	N/K	15-Oct, 12:55-13:10



### 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 have 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 also patrols in this settlement during daylight hours).