



# Daily Report 244/2021

18 October 2021<sup>1</sup>

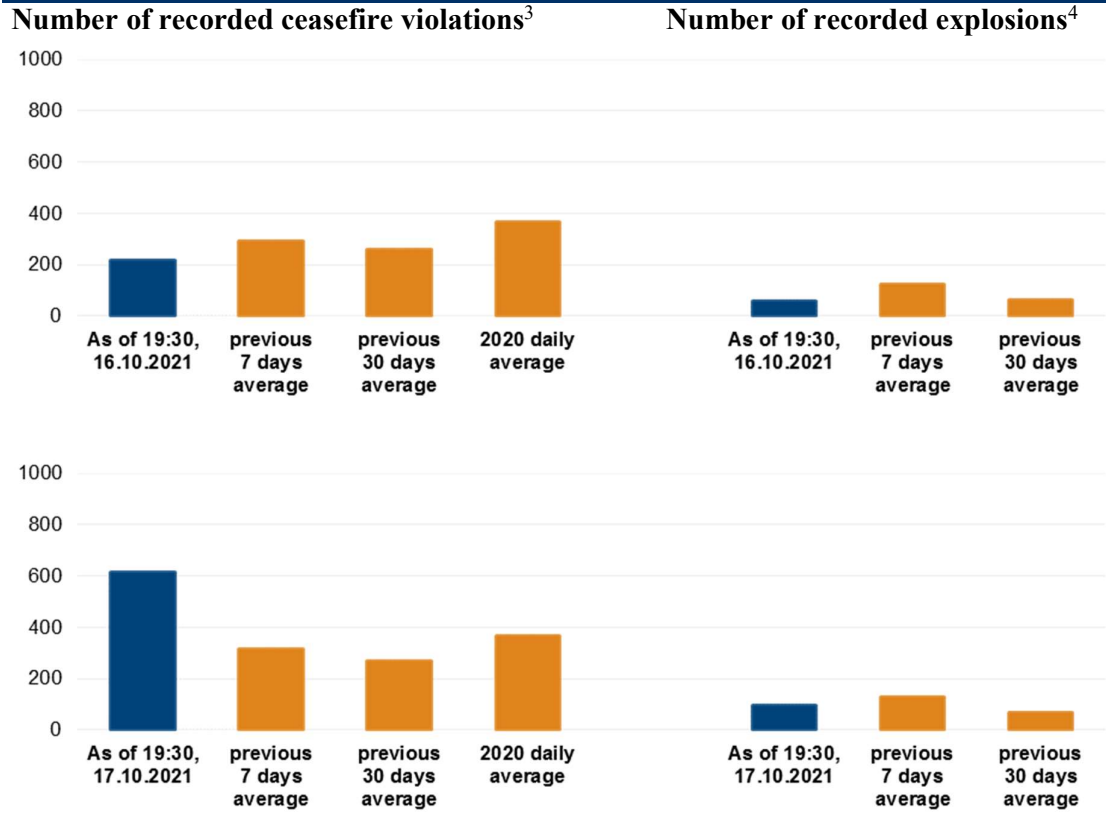
## Summary

- In Donetsk region, between the evenings of 15 and 17 October, the SMM recorded 734 ceasefire violations, including 139 explosions. In the previous reporting period, it recorded 236 ceasefire violations in the region.
- In Luhansk region, between the evenings of 15 and 17 October, the Mission recorded 78 ceasefire violations, including 13 explosions. In the previous reporting period, it recorded 273 ceasefire violations in the region.
- From 17 to 18 October, members of the armed formations prevented the SMM from leaving its Forward Patrol Base in non-government-controlled Horlivka, Donetsk region.\*
- The Mission saw that a gathering in front of the hotel where Mission members reside in non-government-controlled Donetsk city continued, and there was no patrol movement in and out of its premises on 16 and 17 October. The gathering continued on 18 October.\*
- The SMM continued monitoring the disengagement areas near Stanytsia Luhanska, Zolote and Petrivske.\* It recorded ceasefire violations inside the disengagement areas near Zolote and Petrivske.
- The Mission facilitated and monitored adherence to localized ceasefires to enable the operation and construction of critical civilian infrastructure.
- The SMM monitored the security situation along the Black Sea coast.
- The Mission continued following up on the situation of civilians, including at three entry-exit checkpoints and the corresponding checkpoints of the armed formations in Luhansk region.
- The SMM's freedom of movement continued to be restricted, including at the corresponding checkpoint of the armed formations near Kreminets, Donetsk region and a checkpoint of the armed formations south of the Stanytsia Luhanska bridge, Luhansk region. Its unmanned aerial vehicles again experienced multiple instances of jamming.\*

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<sup>1</sup> Based on information from the Monitoring Teams as of 19:30, 17 October 2021. All times are in Eastern European Summer Time.

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



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

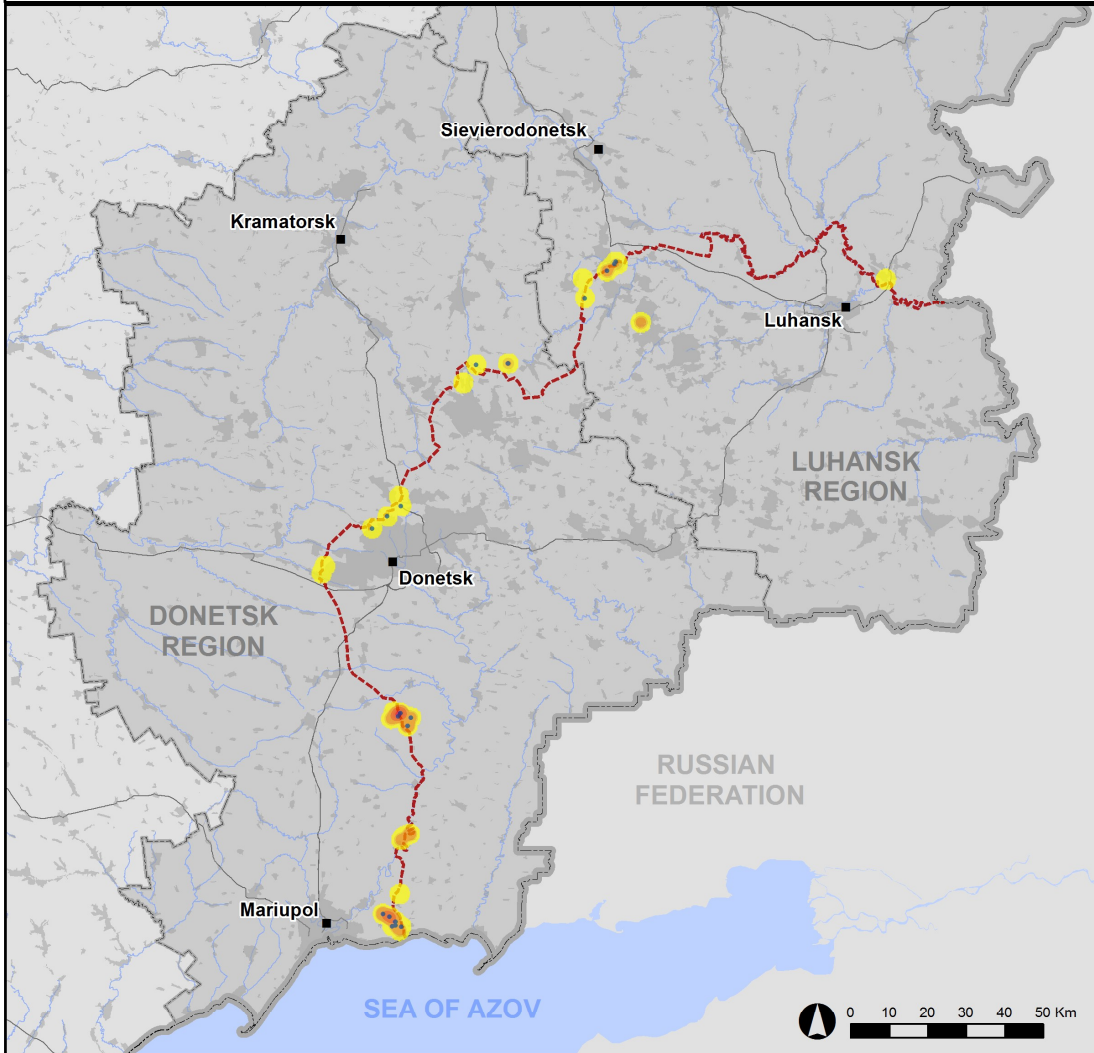
<sup>3</sup> Including explosions.

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

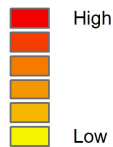
### Map of recorded ceasefire violations

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

## Ceasefire violations observed by the SMM 16-17 October 2021



#### 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: 18/10/2021

In Donetsk region, between the evenings of 15 and 17 October, the SMM recorded 734 ceasefire violations, including 139 explosions (one airburst and 138 undetermined). The majority of ceasefire violations occurred inside and near the disengagement area near Petrivske (non-government-controlled, 41km south of Donetsk) on the evenings of 15 and 16 October and during the day on 16 and 17 October (see below), and north of Shyrokyne (government-controlled, 100km south of Donetsk) on the evening and night of 15 to 16 and 16 to 17 October and during the day on 17 October. In the [previous reporting period](#), the Mission recorded 236 ceasefire violations in the region, the majority of which also occurred inside and in areas close to the disengagement area near Petrivske.

In Luhansk region, between the evenings of 15 and 17 October, the SMM recorded 78 ceasefire violations, including 13 undetermined explosions. The majority of ceasefire violations occurred inside and north-east of the disengagement area near Zolote (government-controlled, 60km west of Luhansk) during the day on 17 October (see below). In the [previous reporting period](#), the Mission recorded 273 ceasefire violations in the region, the majority of which also occurred in areas close to the disengagement area near Zolote.

Following agreement reached at the meeting of the Trilateral Contact Group 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 65,735 ceasefire violations in both Donetsk and Luhansk regions (including 18,212 explosions, 13,392 projectiles in flight, 296 muzzle flashes, 266 illumination flares and at least 33,569 bursts and shots).

### **Members of the armed formations prevented the SMM from leaving its Forward Patrol Base in Horlivka, Donetsk region**

On 17 October, in the afternoon, the SMM observed a chain and a padlock on the vehicle gates of its Forward Patrol Base (FPB) in Horlivka (non-government-controlled, 39km north-east of Donetsk) and that a vehicle with blue “DPR” plates was parked south of its gates, blocking the exit. It also saw two members of the armed formations standing next to the vehicle. (See also [SMM Spot Report 20/2021](#).)

The owner of the hotel where the FPB is located (a man in his sixties) informed SMM staff that the Mission would be prevented from leaving the premises citing “orders from the ‘Mayor’ of Horlivka” and that all exits had been blocked by members of the armed formations. Using CCTV cameras at the hotel, the SMM saw three tents pitched in front of the hotel and four people (unknown genders and ages) gathered near the tents.

Later in the afternoon, two men (in their thirties) in civilian clothing entered the hotel and informed SMM staff that they were allowed to move freely throughout the hotel and the parking lot behind the hotel but that they were not allowed to leave the hotel premises until the member of the armed formations reportedly detained by the Ukrainian Armed Forces inside the disengagement area near Zolote on 13 October had been released.<sup>5</sup>

The Forward Patrol Base in Horlivka is an OSCE/SMM Office enjoying immunities and privileges. Restriction of access to and from the Office should be considered a violation of such immunities and privileges as well as the commitments of those in control.\*

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<sup>5</sup> In the afternoon of the 18 October, the SMM’s freedom of movement at its Horlivka Forward Patrol Base was restored. (See also [SMM Spot Report 22/2021](#).)

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

The SMM continued to observe a gathering in front of the hotel where Mission members reside in the central part of non-government-controlled Donetsk city.

Throughout the reporting period, in front of and around the hotel, the SMM observed a gathering of between 10 and 350 people (mixed genders and ages). It saw some of the participants displaying conflict-related photographs, 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. Throughout the reporting period and until about 22:00 on both 16 and 17 October, it also heard participants playing loud music over a loudspeaker and occasional live concerts in the afternoon hours. It saw participants pitch additional tents and noted the presence of portable toilets and a field kitchen.

On the morning of 17 October, three Mission members exited the hotel to perform vehicle checks in the parking lot of the hotel. While they were approaching the parking lot, nine men (in their twenties and thirties) told the SMM that they would restrict movements of the Mission's vehicles if the SMM tried to move them out of the parking lot. After checking the vehicles, the Mission members returned to the hotel.

On several occasions during the reporting period, the SMM observed different vehicles blocking the gate leading to the parking lot at the rear of the hotel and the presence of members of the armed formations around the hotel. The Mission saw participants of the protest and media representatives in front of the hotel repeatedly take pictures and videos of Mission members inside the hotel.

Throughout the reporting period, the participants rotated in an orderly fashion and the Mission observed a calm situation. The Mission saw the protest continue on 18 October.\*

### Disengagement areas near Stanytsia Luhanska, Zolote and Petrivske<sup>6</sup>

During the day on 16 October, while positioned outside the **disengagement area near Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk), about 100m south-south-west of Prince Ihor monument, the Mission heard two shots of heavy-machine-gun fire at an assessed range of 2-3km north, assessed as outside the disengagement area but within 5km of its periphery.

On 16 October, inside the disengagement area, the SMM saw four 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). On 17 October, inside the disengagement area, the Mission observed a calm situation.

On the evening of 15 October, the SMM camera in Popasna (government-controlled, 69km west of Luhansk) recorded one projectile in flight at an assessed range of 3-5km east-south-east, assessed as outside the **disengagement area near Zolote** (government-controlled, 60km

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

west of Luhansk) but within 5km of its periphery. During the day on 17 October, while positioned in Katerynivka (government-controlled, 64km west of Luhansk), the Mission heard four undetermined explosions and 25 bursts of small-arms fire at an assessed range of 1-2km south-east, assessed as inside the area. On the same day, while positioned at three locations near the area, the SMM heard six explosions and ten shots of small-arms fire, assessed as outside the area but within 5km of its periphery. On the evening of 17 October, the SMM camera in Zolote recorded one illumination flare at an assessed range of 2-4km east-south-east, unable to be assessed as inside or outside the area.

On 16 and 17 October, near the checkpoint of the armed formations south of the disengagement area, the Mission saw members of the armed formations (wearing armbands with “JCCC” written on them). On both days, the SMM again saw the seven previously observed containers located south of the area’s southern edge and inside the area. Also on both days, 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 16 October 2021](#).)

On the evening of 15 October, the SMM camera in Bohdanivka (government-controlled, 41km south-west of Donetsk) recorded four undetermined explosions and 73 projectiles in flight at an assessed range of 2-3km east-south-east, assessed as inside the **disengagement area near Petrivske** (non-government-controlled, 41km south of Donetsk). During the day on 16 October, while positioned about 2km east of Bohdanivka, the Mission heard seven shots of small-arms fire at an assessed distance of 1km south-east, assessed as inside the area, and 24 undetermined explosions at an assessed range of 5-6km east-south-east, assessed as outside the area but within 5km of its periphery. On the evening and night of 16-17 October, the SMM camera in Bohdanivka recorded two explosions (one airburst and one undetermined) and 177 projectiles in flight at assessed ranges of 1-3km east-south-east and south-east, assessed as inside the area, as well as five projectiles in flight at an assessed range of 4-7km east-south-east, assessed as outside the area but within 5km of its periphery. During the day on 17 October, while positioned about 2km east of Bohdanivka, the Mission heard 12 bursts of small-arms fire at an assessed range of 2-3km south-east, assessed as inside the area, as well as 51 undetermined explosions at an assessed distance of 6km south-east and 29 shots of small-arms fire at an assessed range of 2-3km south, assessed as outside the area but within 5km of its periphery.

On 16 and 17 October, 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 did not 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. (For further information, see the table below.)

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

The Mission observed seven armoured combat vehicles and one weapon locating radar in government-controlled areas of Donetsk and Luhansk regions, including in and near residential areas. (For further information, see the table below.)

### **Presence of anti-tank mines near Vodiane and Pikuzy, Donetsk region**

On 13 October, about 2.5km north-north-west of Vodiane (government-controlled, 94km south of Donetsk), an SMM mini-unmanned aerial vehicle (UAV) spotted seven [previously reported](#) anti-tank mines laid across road T-0519, assessed as belonging to the Ukrainian Armed Forces.

About 480m west-north-west of the northern edge of Pikuzy (formerly Kominternove, non-government-controlled, 92km south of Donetsk), the same UAV spotted four anti-tank mines (not previously reported, unable to be assessed if recently laid) attached to a wooden board laid across road C-051235 leading to Talakivka (government-controlled, 90km south of Donetsk). About 50m further west-north-west of the abovementioned mines, the same UAV spotted four previously observed anti-tank mines attached to a wooden board laid across the same road. About 20m north-west of a residential house on the north-western edge of Pikuzy, the same UAV spotted 16 anti-tank mines (including one not previously reported and not recently laid) laid across the same road. At three locations in and near the western part of Pikuzy, including on road T-0519 and in a residential area, and in one location in a field near the south-eastern edge of Pikuzy, the same UAV spotted 49 previously reported anti-tank mines. All these mines were assessed as belonging to the armed formations. (For previous observations in the area, see SMM Daily Reports of [22 April 2020](#), [18 August 2020](#), [12 March 2021](#), [2 July 2021](#) and [24 August 2021](#).)

### **SMM facilitation - the operation and construction of critical civilian infrastructure**

On 16 and 17 October, the Mission continued to facilitate the operation of the Donetsk Filtration Station (15km north of Donetsk) (DFS). On 17 October, while positioned about 1km north-west of the railway station in Yasynuvata (non-government-controlled, 16km north-east of Donetsk), the SMM heard one undetermined explosion and two bursts of heavy-machine-gun fire, assessed as inside a 5km radius of the DFS.

On 16 and 17 October, the Mission also monitored adherence to a localized ceasefire to enable the construction of a road connecting Vodiane with road T-0519.

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

On 16 October, in Luhansk region, the SMM observed that the entry-exit checkpoint (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. On the same day, about 230m south of the EECP, the Mission saw six workers (men in their forties and fifties) operating a crane and carrying out construction works on a pedestrian shelter. (For a previous similar observation, see [SMM Daily Report of 16 October 2021](#).) On 17 October, the SMM observed that the EECP near Stanytsia Luhanska was open, with people queueing to travel in both directions.

On 16 and 17 October, 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.

### Security situation along the Black Sea coast

On 14 October, the SMM monitored areas in south Mykolaiv region and along the Black Sea coast near Ochakiv (82km west of Kherson) and Parutyne (55km west of Kherson). While monitoring these areas, the Mission observed no change in the security situation.

The SMM 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 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:

- On 16 October, at a checkpoint in a government-controlled area of Donetsk region, two armed soldiers of the Ukrainian Armed Forces denied the Mission passage west towards a heavy weapons holding area. The SMM was conducting a road assessment in the vicinity of the heavy weapons holding area. While at the checkpoint, the SMM observed civilian traffic passing through.
- Later on the same day, at the same checkpoint, an armed soldier of the Ukrainian Armed Forces again denied the SMM passage west towards the same heavy weapons holding area citing a “lack of permission from his superior”. While at the checkpoint, the Mission observed civilian traffic passing through.
- On the same day, at a checkpoint south of the Stanytsia Luhanska bridge (15km north-east of Luhansk), five members of the armed formations [again](#) denied the SMM passage towards the bridge, referring to a lack of prior coordination with those in control.
- On 17 October, members of the armed formations prevented the Mission from leaving its Forward Patrol Base in Horlivka (non-government-controlled, 39km north-east of Donetsk). (See above.)
- On the same day, at the corresponding checkpoint near Kreminets (non-government-controlled, 16km south-west of Donetsk), three members of the armed formations, one visibly armed, denied the SMM passage east towards non-government-controlled areas of Donetsk



region, referring to orders from those in control and stating that “SMM patrols will not be allowed to travel to non-government-controlled areas until they bring with them the captured member of the armed formations.” (See also [SMM Spot Report 21/2021](#).)

*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.

Delay:

- On 17 October, at the corresponding checkpoint near Kremynets (non-government-controlled, 16km south-west of Donetsk), two members of the armed formations allowed the Mission passage west towards the EECF near Marinka (government-controlled, 23km south-west of Donetsk) only after about 43 minutes of waiting. (See also [SMM Spot Report 21/2021](#).)

Other impediments:<sup>7</sup>

- On 16 and 17 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.
- On 15 October, while conducting a test flight of an SMM long-range UAV near Novohryhorivka (government-controlled, 70km north-west of Donetsk), a representative of the Ukrainian Armed Forces informed the Mission that it would restrict all flights below 1,800ft for about an hour and a half.
- On 16 October, while conducting a test flight, an SMM long-range UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying over areas between Rohanske (government-controlled, 79km north-west of Donetsk) and Memryk (government-controlled, 33km north-west of Donetsk) and over areas near Varvarivka (government-controlled, 81km north-west of Donetsk). The same UAV experienced dual GPS signal interference, assessed as caused by jamming, while flying over areas between Memryk and Varvarivka.
- On the same day, an SMM mid-range UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying over areas near Lebedynske (government-controlled, 99km south of Donetsk).
- On the same day, an SMM mini-UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying over areas near Oleksandropillia (government-controlled, 71km west of Luhansk).
- On 17 October, while conducting a test flight, an SMM long-range UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying over areas between Novoandriivka (government-controlled, 75km north-west of Donetsk) and Raiske (government-controlled, 67km north of Donetsk) and over areas near Varvarivka. The same UAV experienced dual GPS signal interference, assessed as caused by jamming, while flying over areas between Raiske and Varvarivka.

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<sup>7</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.

- On the same day, SMM mini-UAVs experienced GPS signal interference, assessed as caused by probable jamming, during three flights: on two occasions over areas near Novobakhmutivka (government-controlled, 28km north of Donetsk) and on one occasion over areas near Arkhanhelske (government-controlled, 32km north of Donetsk).

## Table 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 near Popasna (69km west of Luhansk)	Mini-UAV

### **Table of military and military-type presence in the security zone<sup>8</sup>**

Date	No.	Type	Location	Source of observation
<b>Government-controlled areas</b>				
14/10/2021	3	Armoured combat vehicles (type undetermined)	Near a residential area of Lomakyne (93km south of Donetsk)	Mini-UAV
15/10/2021	1	Armoured personnel carrier (MT-LB)	In a residential area near Popasna (69km west of Luhansk)	
16/10/2021	1	Weapon locating radar (AN/TPQ-36)	Near Krasnohorivka (24km north of Donetsk)	Patrol
	1	Infantry fighting vehicle (BMP-2)	Near a residential area of Novoluhanske (53km north-east of Donetsk)	
17/10/2021	1	Armoured reconnaissance vehicle (BRDM-2)	In a residential area of Trokhizbenka (32km north-west of Luhansk)	
	1		Near Shchastia (20km north of Luhansk)	

<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 17 October 2021<sup>9</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	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	15-Oct, 19:37
	2-3km ESE	Recorded	2	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	15-Oct, 19:38
	2-3km ESE	Recorded	8	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	15-Oct, 19:58
	2-3km ESE	Recorded	1	Explosion	Undetermined (assessed as inside the disengagement area near Petrivske)	N/K	15-Oct, 20:01
	2-3km ESE	Recorded	1	Explosion	Undetermined (assessed as inside the disengagement area near Petrivske)	N/K	15-Oct, 20:02
	2-3km ESE	Recorded	8	Projectile	SSW to NNE (assessed as inside the disengagement area near Petrivske)	N/K	15-Oct, 20:20
	2-3km ESE	Recorded	6	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	15-Oct, 20:20
	2-3km ESE	Recorded	1	Explosion	Undetermined (assessed as inside the disengagement area near Petrivske)	N/K	15-Oct, 20:25
	2-3km ESE	Recorded	1	Projectile	SSW to NNE (assessed as inside the disengagement area near Petrivske)	N/K	15-Oct, 20:28
	2-3km ESE	Recorded	4	Projectile	N to S (assessed as inside the disengagement area near Petrivske)	N/K	15-Oct, 20:31
	2-3km ESE	Recorded	3	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	15-Oct, 20:34
	2-3km ESE	Recorded	2	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	15-Oct, 20:43
	2-3km ESE	Recorded	2	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	15-Oct, 20:44
	2-3km ESE	Recorded	1	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	15-Oct, 20:45

<sup>9</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	1	Explosion	Undetermined (assessed as inside the disengagement area near Petrivske)	N/K	15-Oct, 20:47
	2-3km ESE	Recorded	2	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	15-Oct, 21:37
	2-3km ESE	Recorded	1	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	15-Oct, 21:45
	2-3km ESE	Recorded	2	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	15-Oct, 21:46
	2-3km ESE	Recorded	1	Projectile	SW to NE (assessed as inside the disengagement area near Petrivske)	N/K	15-Oct, 21:53
	2-3km ESE	Recorded	1	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	15-Oct, 22:14
	2-3km ESE	Recorded	5	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	15-Oct, 22:44
	2-3km ESE	Recorded	1	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	15-Oct, 22:53
	2-3km ESE	Recorded	3	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	15-Oct, 22:54
	2-3km ESE	Recorded	9	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	15-Oct, 22:55
	2-3km ESE	Recorded	3	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	15-Oct, 22:57
	2-3km ESE	Recorded	4	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	15-Oct, 22:58
	2-3km ESE	Recorded	3	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	15-Oct, 23:03
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-4km E	Recorded	1	Projectile	NW to SE	N/K	15-Oct, 22:13
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	4-6km NNE	Recorded	2	Projectile	In vertical flight	N/K	15-Oct, 21:17
	2-4km NNE	Recorded	2	Projectile	E to W	N/K	15-Oct, 21:17
	2-4km NNE	Recorded	2	Projectile	In vertical flight	N/K	15-Oct, 21:32
	2-4km NNE	Recorded	1	Projectile	E to W	N/K	15-Oct, 21:32
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	4-6km N	Recorded	9	Explosion	Undetermined	N/K	15-Oct, 19:03
	2-4km NNE	Recorded	2	Projectile	W to E	N/K	15-Oct, 21:51
	2-4km NNE	Recorded	5	Projectile	W to E	N/K	15-Oct, 21:52
	2-4km NNE	Recorded	3	Projectile	W to E	N/K	15-Oct, 21:53
	2-4km NNE	Recorded	3	Projectile	W to E	N/K	15-Oct, 21:54
	2-4km NNE	Recorded	3	Projectile	W to E	N/K	15-Oct, 21:56
	2-4km NNE	Recorded	10	Projectile	W to E	N/K	15-Oct, 21:57
	4-6km N	Recorded	6	Explosion	Undetermined	N/K	16-Oct, 00:01
	4-6km N	Recorded	2	Explosion	Undetermined	N/K	16-Oct, 00:07
4-6km N	Recorded	2	Explosion	Undetermined	N/K	16-Oct, 00:12	

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
Svitlodarsk (government-controlled, 57km NE of Donetsk)	4-6km N	Recorded	1	Projectile	W to E	N/K	16-Oct, 01:02
	3-5km WNW	Heard	5	Explosion	Undetermined	N/K	16-Oct, 06:31
	3-5km WNW	Heard	3	Burst		HMG	16-Oct, 06:32
	3-5km WNW	Heard	1	Explosion	Undetermined	N/K	16-Oct, 06:34
	3-5km WNW	Heard	5	Burst		HMG	16-Oct, 06:34
	3-5km WNW	Heard	1	Explosion	Undetermined	N/K	16-Oct, 06:44
About 1km W of Kodema (government-controlled, 57km NE of Donetsk)	3-5km SSW	Heard	1	Explosion	Undetermined	N/K	16-Oct, 12:12
	3-5km SSW	Heard	3	Burst		HMG	16-Oct, 12:12
About 1.5km NNW of Chermalyk (government-controlled, 77km S of Donetsk)	1-2km E	Heard	30	Shot		Small arms	16-Oct, 13:04-13:16
About 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	1km SE	Heard	7	Shot	Assessed as inside the disengagement area near Petrivske	Small arms	16-Oct, 12:45-13:05
	5-6km ESE	Heard	24	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	16-Oct, 14:10-14:16
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	3-5km ESE	Recorded	1	Projectile	SSW to NNE (assessed as outside the disengagement area near Zolote)	N/K	15-Oct, 21:45
About 100m SSW of Prince Ihor monument, SE of the Stanytsia Luhanska bridge (15km NE of Luhansk)	2-3km N	Heard	2	Shot	Outgoing (assessed as outside the disengagement area)	HMG	16-Oct, 09:03
About 3km N of Pervomaisk (non-government-controlled, 58km W of Luhansk)	8-10km SW	Heard	3	Explosion	Undetermined	N/K	16-Oct, 11:43-12:00
SMM camera 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	4-7km ESE	Recorded	5	Projectile	NNE to SSW (assessed as outside the disengagement area near Petrivske)	N/K	16-Oct, 19:23
	2-3km ESE	Recorded	1	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	16-Oct, 20:07
	2-3km ESE	Recorded	4	Projectile	NNW to SSE (assessed as inside the disengagement area near Petrivske)	N/K	16-Oct, 20:08
	2-3km ESE	Recorded	1	Projectile	In vertical flight (assessed as inside the disengagement area near Petrivske)	N/K	16-Oct, 20:08
	2-3km SE	Recorded	1	Projectile	WSW to ENE (assessed as inside the disengagement area near Petrivske)	N/K	16-Oct, 20:25
	2-3km SE	Recorded	4	Projectile	WSW to ENE (assessed as inside the disengagement area near Petrivske)	N/K	16-Oct, 20:26
	2-3km ESE	Recorded	1	Projectile	N to S (assessed as inside the disengagement area near Petrivske)	N/K	16-Oct, 20:52
	2-3km ESE	Recorded	5	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	16-Oct, 21:09
	2-3km ESE	Recorded	10	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	16-Oct, 21:15
	2-3km ESE	Recorded	1	Explosion	Undetermined (assessed as inside the disengagement area near Petrivske)	N/K	16-Oct, 21:15

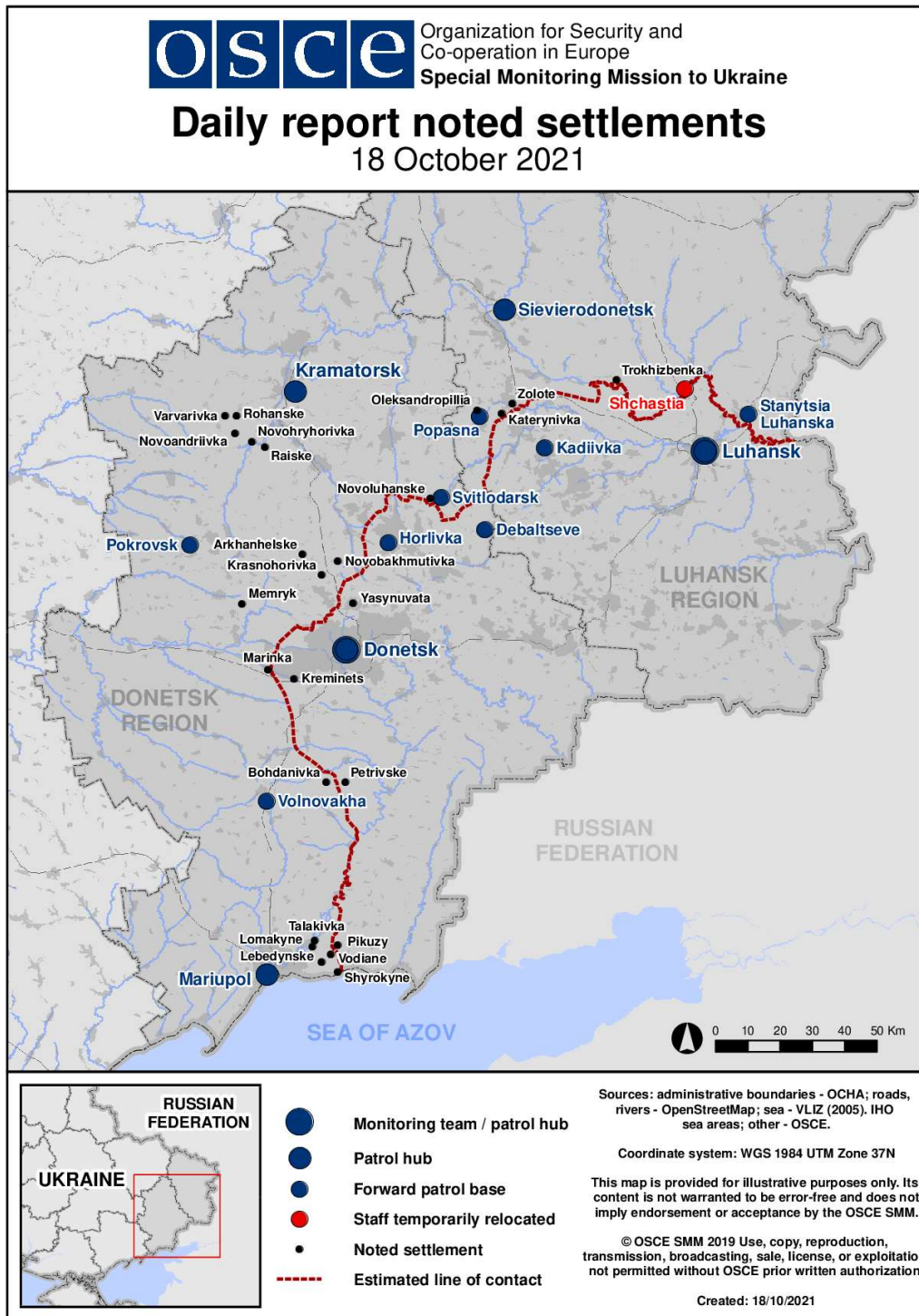
SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	2-3km SE	Recorded	1	Explosion	Airburst (assessed as inside the disengagement area near Petrivske)	N/K	16-Oct, 21:15
	2-3km ESE	Recorded	9	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	16-Oct, 21:16
	2-3km SE	Recorded	1	Projectile	SW to NE (assessed as inside the disengagement area near Petrivske)	N/K	16-Oct, 21:16
	2-3km SE	Recorded	2	Projectile	SSW to NNE (assessed as inside the disengagement area near Petrivske)	N/K	16-Oct, 21:16
	1-3km SE	Recorded	28	Projectile	SSE to NNW (assessed as inside the disengagement area near Petrivske)	N/K	16-Oct, 21:17
	1-3km SE	Recorded	54	Projectile	SSE to NNW (assessed as inside the disengagement area near Petrivske)	N/K	16-Oct, 21:18
	1-3km SE	Recorded	12	Projectile	SSE to NNW (assessed as inside the disengagement area near Petrivske)	N/K	16-Oct, 21:19
	2-3km ESE	Recorded	23	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	16-Oct, 22:07
	2-3km SE	Recorded	1	Projectile	NNW to SSE (assessed as inside the disengagement area near Petrivske)	N/K	16-Oct, 22:07
	2-3km ESE	Recorded	1	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	16-Oct, 22:12
	2-3km ESE	Recorded	1	Projectile	NW to SE (assessed as inside the disengagement area near Petrivske)	N/K	16-Oct, 22:12
	2-3km ESE	Recorded	5	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	16-Oct, 22:13
	2-3km ESE	Recorded	13	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	17-Oct, 01:37
	SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	4-6km SE	Recorded	1	Projectile	SW to NE	N/K
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	0.5-1km W	Recorded	2	Explosion	Undetermined	N/K	16-Oct, 22:32
	4-5km NE	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 01:05
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	3-5km N	Recorded	8	Muzzle flash		N/K	16-Oct, 21:29
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	16-Oct, 21:29
	3-5km N	Recorded	1	Muzzle flash		N/K	16-Oct, 22:00
	3-5km N	Recorded	1	Projectile	W to E (subsequent to previous event)	N/K	16-Oct, 22:00
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	16-Oct, 22:00
	3-5km N	Recorded	7	Projectile	SW to NE	N/K	16-Oct, 22:01
	3-5km N	Recorded	1	Illumination flare	In vertical flight	N/K	17-Oct, 00:03
	3-5km N	Recorded	1	Illumination flare	In vertical flight	N/K	17-Oct, 00:42
	3-5km N	Recorded	Uncountable	Muzzle flash		N/K	17-Oct, 00:52
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 00:52

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 01:05
	4-6km N	Recorded	1	Projectile	E to W	N/K	17-Oct, 01:44
	3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 02:33
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	3-4km SW	Heard	1	Explosion	Undetermined	N/K	17-Oct, 09:11
	3km W	Heard	2	Burst		HMG	17-Oct, 09:37
About 2km E of Bohdaniivka (government-controlled, 41km SW of Donetsk)	2-3km SE	Heard	5	Burst	Assessed as inside the disengagement area near Petrivske	Small arms	17-Oct, 11:16-11:23
	2-3km S	Heard	29	Shot	Assessed as outside the disengagement area near Petrivske	Small arms	17-Oct, 11:33-11:40
	2-3km SE	Heard	7	Burst	Assessed as inside the disengagement area near Petrivske	Small arms	17-Oct, 12:00-12:07
	6km SE	Heard	8	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	17-Oct, 13:01-13:08
	6km SE	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	17-Oct, 13:19-13:30
	6km SE	Heard	41	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	17-Oct, 13:51-13:53
About 1.5km NNW of Chermalyk (government-controlled, 77km S of Donetsk)	2-3km ENE	Heard	1	Shot		Small arms	17-Oct, 11:47
	3-5km ENE	Heard	40	Shot		Small arms	17-Oct, 12:31
NE edge of Lebedynske (government-controlled, 99km S of Donetsk)	2-3km N	Heard	38	Burst		HMG	17-Oct, 11:35-12:05
	2-3km N	Heard	15	Explosion	Undetermined	N/K	17-Oct, 11:35-12:05
	2-3km NE	Heard	59	Burst		HMG	17-Oct, 12:12-12:26
	2-3km NE	Heard	31	Shot		HMG	17-Oct, 12:12-12:26
	2-3km NE	Heard	5	Explosion	Undetermined	N/K	17-Oct, 12:12-12:26
	2-3km NE	Heard	16	Shot		Small arms	17-Oct, 12:30-12:38
	2-3km NE	Heard	5	Burst		HMG	17-Oct, 12:30-12:38
	2-3km NE	Heard	4	Shot		HMG	17-Oct, 12:30-12:38
About 2.5km SE of Lebedynske (government-controlled, 99km S of Donetsk)	2-3km NE	Heard	1	Explosion	Undetermined	N/K	17-Oct, 13:08
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2-4km ESE	Recorded	1	Illumination flare	In vertical flight (unable to be assessed as inside or outside the disengagement area)	N/K	17-Oct, 18:24
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	3-4km SSW	Heard	26	Shot		Small arms	16-Oct, 20:13
Katerynivka (government-controlled, 64km W of Luhansk)	1-2km SE	Heard	25	Burst	Assessed as inside the disengagement area near Zolote	Small arms	17-Oct, 09:49-09:53
	1-2km SE	Heard	4	Explosion	Undetermined (assessed as inside the disengagement area near Zolote)	N/K	17-Oct, 09:49-09:53
Zolote-4/Rodina (government-controlled, 62km W of Luhansk)	1-2km E	Heard	10	Shot	Assessed as outside the disengagement area	Small arms	17-Oct, 10:35
1.5km E of Zolote-3/Stakhanovets (government-controlled, 61km W of Luhansk)	3-4km E	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	17-Oct, 11:36



<b>SMM position</b>	<b>Event location</b>	<b>Means</b>	<b>No.</b>	<b>Observation</b>	<b>Description</b>	<b>Weapon</b>	<b>Date, time</b>
SW edge of Zolote-3/Stakhanovets (government-controlled, 61km W of Luhansk)	4-6km E	Heard	5	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	17-Oct, 12:00- 12:05

### 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 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).