

# Daily Report 266/2021

12 November 2021<sup>1</sup>

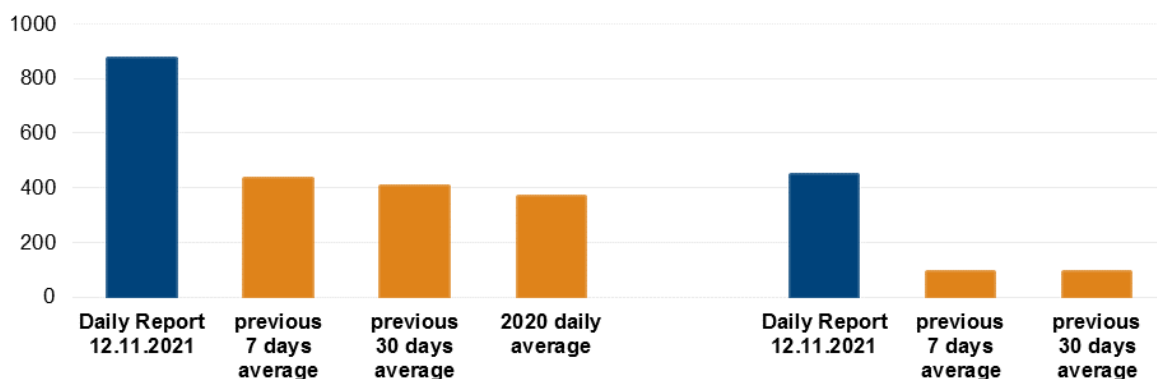
## Summary

- In Donetsk region, the SMM recorded 722 ceasefire violations, including 324 explosions. In the previous reporting period, it recorded 399 ceasefire violations in the region.
- In Luhansk region, the Mission recorded 149 ceasefire violations, including 121 explosions. In the previous reporting period, it recorded four ceasefire violations in the region.
- The SMM continued monitoring the disengagement areas near Stanytsia Luhanska, Zolote and Petrivske. It recorded ceasefire violations inside the disengagement area near Zolote.
- The Mission facilitated and monitored adherence to localized ceasefires to enable the operation and repairs of critical civilian infrastructure.
- The SMM continued following up on the situation of civilians, including at four entry-exit checkpoints and four corresponding checkpoints of the armed formations in Donetsk and Luhansk regions.
- The Mission observed four probable military-type trucks in areas near the border outside government control.
- The SMM's freedom of movement continued to be restricted, including at one checkpoint of the armed formations in southern Donetsk region. Its UAVs again experienced multiple instances of jamming and probable jamming.\*

## 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, 11 November 2021. All times are in Eastern European Time.

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

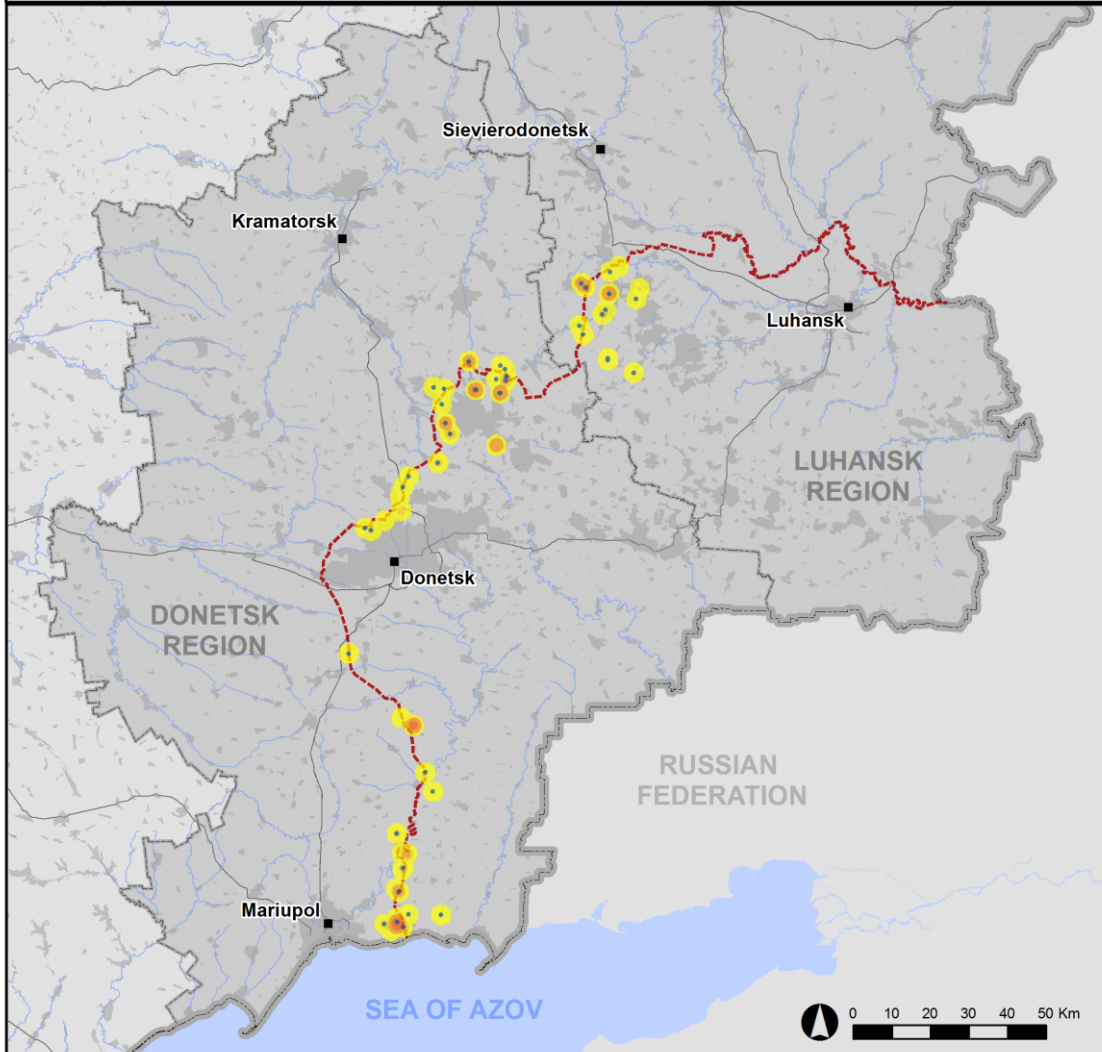
<sup>3</sup> Including explosions.

<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 11 November 2021



**Ceasefire violation concentration**

- High
- 
- 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: 12/11/2021

In Donetsk region, the SMM recorded 722 ceasefire violations, including 324 explosions (three airbursts, one impact and 320 undetermined). The majority of ceasefire violations occurred in areas near Holmivskiyi (non-government-controlled, 49km north-east of Donetsk), north of Shyrokyne (government-controlled, 100km south of Donetsk) and south-east and south of the disengagement area near Petrivske (non-government-controlled, 41km south of Donetsk) (see below). The Mission also recorded ceasefire violations in an area south-south-west of Sofiivka (formerly Karlo-Marksove, non-government-controlled, 40km north-east of Donetsk) assessed as a live-fire training exercise in the security zone, in violation of the decision of the Trilateral Contact Group (TCG) of 3 March 2016 that prohibits the conduct of live-fire training in the security zone. In the [previous reporting period](#), the Mission recorded 399 ceasefire violations in the region.

In Luhansk region, the SMM recorded 149 ceasefire violations, including 121 undetermined explosions. All ceasefire violations occurred in areas inside, south and south-west of the disengagement area near Zolote (government-controlled, 60km west of Luhansk) (see below). In the [previous reporting period](#), the Mission recorded four ceasefire violations in the region, all of which also occurred close to the disengagement area near Zolote.

Following agreement reached at the meeting of the 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 76,409 ceasefire violations in both Donetsk and Luhansk regions (including 20,559 explosions, 17,355 projectiles in flight, 360 muzzle flashes, 331 illumination flares and at least 37,804 bursts and shots).

### 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 seven 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 the night of 10 November, the SMM camera in Zolote recorded one projectile in flight at an assessed range of 3-5km east-south-east, assessed as outside the **disengagement area near Zolote** but within 5km of its periphery.

On 11 November, an SMM mini-UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying over the disengagement area.\*

During the day of 11 November, near the checkpoint of the armed formations south of the disengagement area, the SMM saw four members of the armed formations (wearing armbands with “JCCC” written on them). The Mission again saw the seven previously observed containers located south of the area’s southern edge and inside the disengagement area. It saw that the previously reported road barriers across road T-1316, on the area’s southern edge, continued to be closed.\*

On the evening of 10 November, the SMM camera 2km east of Bohdanivka (government-controlled, 41km south-west of Donetsk) recorded two projectiles in flight at an assessed range

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

of 2-4km south-east, unable to be assessed as inside or outside the **disengagement area near Petrivske**.

During the day of 11 November, while positioned on the western edge of Petrivske, the Mission heard 100 bursts and shots of heavy-machine-gun and small-arms fire at an assessed range of 3-6km south-south-east, assessed as outside the disengagement area, but within 5km of its periphery.

On 11 November, while positioned on the western edge of Petrivske, the SMM [again](#) observed several objects assessed as ammunition boxes in the middle of road C-051532, about 200m west of the Mission's position and near the disengagement area's north-eastern corner. It also observed for the first time a mine hazard sign (red square with white skull and crossbones) attached to aforementioned objects.\*

### **Withdrawal of weapons**

The Mission 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, in Donetsk region, the SMM observed one probable anti-tank guided missile system in a government-controlled area and ten self-propelled howitzers in a non-government-controlled area.

Beyond withdrawal lines but outside designated storage sites, in Donetsk and Luhansk regions, the Mission observed 25 tanks and 24 howitzers in two training areas near non-government-controlled Miusynsk (62km south-west of Luhansk) and Ternove (57km east of Donetsk). (For further information, see the tables below.)

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

The SMM observed two armoured combat vehicles and one anti-aircraft gun in government-controlled areas of Donetsk and Luhansk regions. (For further information, see the table below.)

On 11 November, while positioned on the north-eastern edge of Lebedynske (government-controlled, 99km south of Donetsk), the Mission observed a non-SMM mini-unmanned aerial vehicle (UAV) flying from south-east to north-west at an approximate altitude of 100m about 500-600m north-west of the SMM's position, despite the ban on the operation of any aerial vehicles included in the 22 July 2020 agreement on Measures to strengthen the ceasefire.

### **Presence of anti-tank mines and mine hazard signs**

On 9 November, near a checkpoint of the Ukrainian Armed Forces on the eastern edge of Popasna (government-controlled, 69km west of Luhansk), an SMM mini-UAV spotted 20 anti-tank mines (previously reported), assessed as part of a larger minefield, assessed as belonging to the Ukrainian Armed Forces. (For previous observations in the area, see [SMM Daily Report of 12 August 2021](#)).

On the same day, about 2km south-west of Molodizhne (non-government-controlled, 63km north-west of Luhansk), near a checkpoint of the armed formations, the same UAV spotted

about 20 anti-tank mines (previously reported), assessed as part of a larger minefield, assessed as belonging to the armed formations. (For previous observations in the area, see [SMM Daily Report of 12 January 2021](#)).

On 11 November, on the northern outskirts of Holmivskiyi (non-government-controlled, 49km north-east of Donetsk), the SMM observed a mine hazard sign (red square with white skull and crossbones, with “Stop! Mines!” written in Russian) in front of a building about 150m north of a local road (not previously reported).

On the same day, about 1.7km north-east of Stepanivka (non-government-controlled, 62km west of Luhansk), the Mission observed a mine hazard sign (red rectangular board with “Stop Mines” written in Russian) attached to a metal barrier on the northern side of a local road.

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

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

It also monitored adherence to a localized ceasefire to enable assessment and maintenance of a phenol sludge reservoir near Nelipivka (government-controlled, 40km north of Donetsk), as well as repairs to a water pipeline near Hladosove (government-controlled, 51km north-east of Donetsk) and a gas pipeline near Yasynuvata (non-government-controlled, 16km north-east of Donetsk).

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

In Donetsk region, the Mission saw that the entry-exit checkpoint (EECP) near Marinka (government-controlled, 23km south-west of Donetsk) was open and that the corresponding checkpoint of the armed formations near Kremynets (non-government-controlled, 16km south-west of Donetsk) was closed.

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.

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.

Additionally, at the checkpoints of the armed formations near Chornukhyne (non-government-controlled, 64km south-west of Luhansk) and Debaltseve (non-government-controlled, 58km north-east of Donetsk), the SMM noted that civilian traffic was passing through in both directions between non-government-controlled areas of Luhansk and Donetsk regions.

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

On 7 November, aerial imagery available to the SMM revealed the presence of four probable military-type trucks in a compound near Samiilove (89km south of Donetsk) about 2km north

of the international border with Russian Federation. (For previous observations in the area, see [SMM Daily Report of 23 October 2021](#).)

The Mission monitored areas near the border with the Russian Federation close to Panchenkove (67km south-east of Luhansk) and Ananivka (63km south-east of Luhansk) and observed no change in the security situation.

The SMM continued monitoring in Odessa, Lviv, Ivano-Frankivsk, Kharkiv, Kherson, 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 10 November 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.*

#### Denial:

- At a checkpoint near Bezimenne (non-government-controlled, 100km south of Donetsk), three members of the armed formations denied the SMM passage west towards Sakhanka (non-government-controlled, 97km south of Donetsk) citing “demining activities” in the area.

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

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

#### Other impediments:<sup>6</sup>

- 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 Varvarivka (government-controlled, 81km north-west of Donetsk) and Mykolaipillia (government-controlled, 61km north of Donetsk) and between Amvrosiivka (non-government-controlled, 56km south-east of Donetsk) and Sukha Balka (government-controlled, 36km north of Donetsk). The same UAV experienced GPS signal interference,

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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.

assessed as caused by jamming, while flying over areas between Mykolaipillia and Amvrosiivka.

- SMM mini-UAVs experienced GPS signal interference, assessed as caused by probable jamming, during nine flights: on two occasions each while flying over areas near Betmanove (formerly Krasnyi Partyzan, non-government-controlled, 23km north-east of Donetsk) and Orikhove (government-controlled, 57km north-west of Luhansk) and once each while flying over areas near non-government-controlled Mykhailivka (30km north-east of Donetsk), Sofiiivka (formerly Karlo-Marksove, 40km north-east of Donetsk), Krynychna (22km north-east of Donetsk), and government-controlled Zolote (60km west of Luhansk) and Katerynivka (64km west of Luhansk).

## 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>				
10/11/2021	1	Probable anti-tank guided missile system (9M113 <i>Konkurs</i> , 135mm)	Near Hranitne (60km south of Donetsk)	Mini-UAV
<b>Non-government-controlled areas</b>				
7/11/2021	10	Self-propelled howitzer (type undetermined)	In a training area near Ternove (57km east of Donetsk)	Aerial imagery

### Weapons beyond withdrawal lines but outside designated storage sites

Date	No. of weapons	Type of weapon	Location	Source of observation
<b>Non-government-controlled areas</b>				
7/11/2021	16	Tank (type undetermined)	In a training area near Miusynsk (62km south-west of Luhansk), where imagery also revealed the presence of 29 armoured combat vehicles (for previous observations in the area, see <a href="#">SMM Daily Report 15 October 2021</a> ) <sup>7</sup>	Aerial imagery
	12	Self-propelled howitzer (type undetermined)		
	12	Towed howitzer (type undetermined)		
	9	Tank (type undetermined)		

### Other weapons<sup>8</sup>

Date	No. of weapons	Type of weapon	Location	Source of observation
<b>Non-government-controlled areas</b>				
7/11/2021	9	Multiple launch rocket system (type undetermined)	Near a training area near Miusynsk (62km south-west of Luhansk)	Aerial imagery

### Table of military and military-type presence in the security zone<sup>9</sup>

Date	No.	Type	Location	Source of observation
<b>Government-controlled areas</b>				
10/11/2021	4	Infantry fighting vehicle (BMP variant)	Near Trokhizbenka (32km north-west of Luhansk)	Mini-UAV
11/11/2021	1	Anti-aircraft gun (ZU-23, 23mm)	In a residential area of Netailove (22km north-west of Donetsk)	Patrol
	2	Armoured personnel carrier (BTR-70)	Near Shchastia (20km north of Luhansk)	

<sup>7</sup> The armoured combat vehicles in this table are not proscribed by the provisions of the Minsk agreements on the withdrawal of weapons.

<sup>8</sup> The SMM was unable to assess whether these weapons were in violation of withdrawal lines in the absence of information on their calibre.

<sup>9</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 11 November 2021<sup>10</sup>**

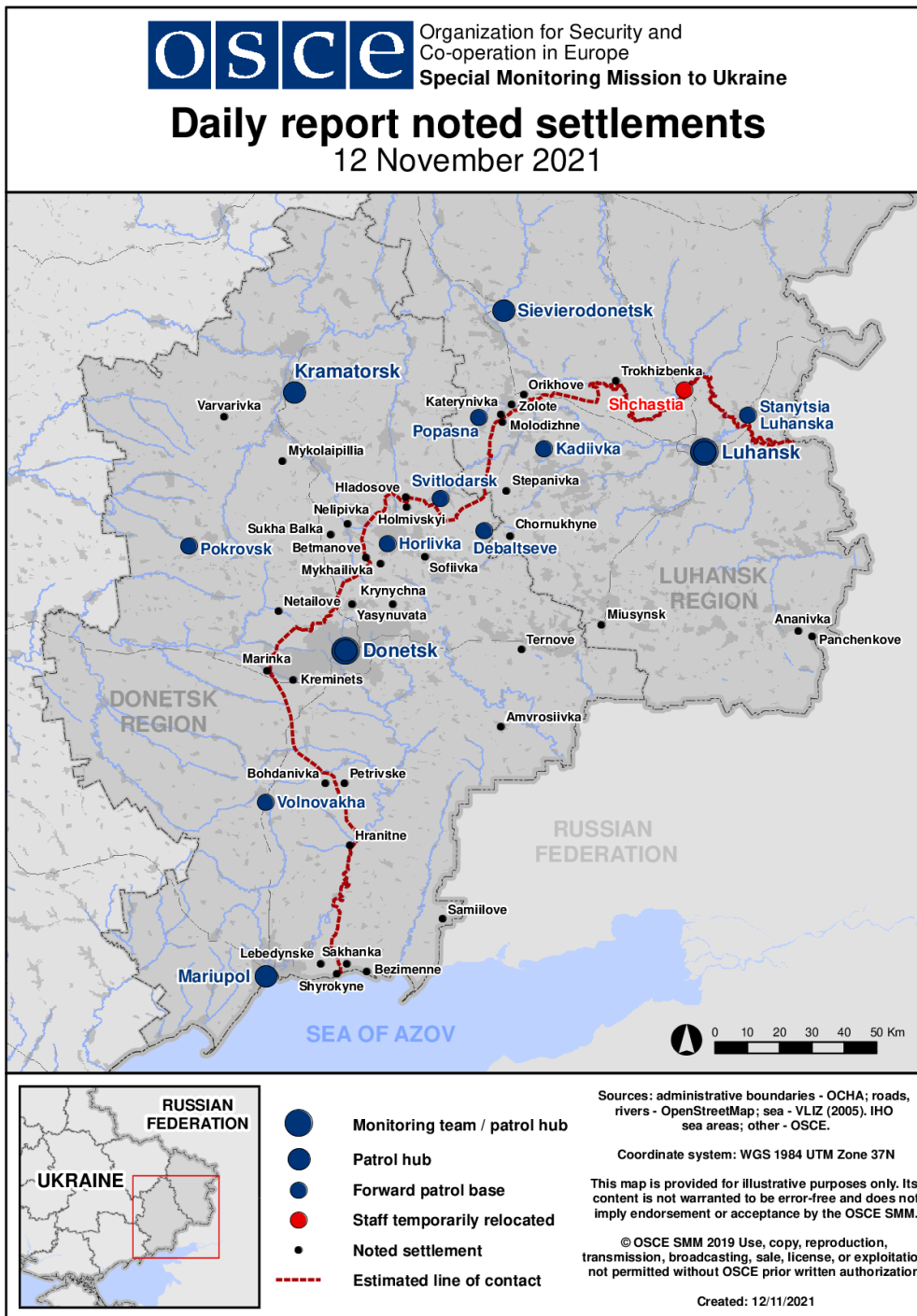
SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	4-6km SE	Recorded	10	Projectile	In vertical flight (also recorded by the SMM camera at the Donetsk Filtration Station )	N/K	10-Nov, 19:56
	2-4km E	Recorded	3	Projectile	NNW to SSE	N/K	10-Nov, 22:54
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-4km SE	Recorded	1	Illumination flare	In vertical flight	N/K	10-Nov, 23:31
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	10-Nov, 23:34
	2-4km SE	Recorded	1	Illumination flare	In vertical flight	N/K	10-Nov, 23:34
SMM camera 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	2-4km SE	Recorded	2	Projectile	SW to NE (unable to assess if inside or outside the disengagement area near Petrivske)	N/K	10-Nov, 20:16
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	2-4km SE	Recorded	13	Projectile	NNE to SSW	N/K	10-Nov, 19:13
	1-3km SSE	Recorded	1	Projectile	NNE to SSW	N/K	11-Nov, 00:07
	1-3km SSE	Recorded	2	Projectile	In vertical flight	N/K	11-Nov, 00:07
	1-3km SSE	Recorded	1	Projectile	NNE to SSW	N/K	11-Nov, 00:08
	2-4km SE	Recorded	4	Projectile	NNE to SSW	N/K	11-Nov, 17:50
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	3-5km SE	Recorded	1	Muzzle flash		N/K	10-Nov, 19:43
	3-5km SE	Recorded	1	Projectile	NNE to SSW (subsequent to previous event)	N/K	10-Nov, 19:43
	3-5km SE	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	10-Nov, 19:43
	3-5km SE	Recorded	1	Explosion	Undetermined	N/K	10-Nov, 19:43
	2-4km SE	Recorded	7	Projectile	NNE to SSW	N/K	10-Nov, 19:50
	3-5km SE	Recorded	4	Projectile	NNE to SSW	N/K	10-Nov, 21:34
	3-5km SE	Recorded	1	Projectile	In vertical flight	N/K	10-Nov, 21:34
	3-5km SE	Recorded	1	Projectile	In vertical flight	N/K	10-Nov, 21:35
	3-5km SE	Recorded	2	Projectile	NNE to SSW	N/K	10-Nov, 21:35
	3-5km SE	Recorded	10	Projectile	NNE to SSW	N/K	10-Nov, 23:23
	3-5km SE	Recorded	1	Projectile	In vertical flight	N/K	10-Nov, 23:23
SMM camera at entry-exit checkpoint in Hnutove (government-controlled, 90km S of Donetsk)	1-3km ENE	Recorded	3	Projectile	N to S	N/K	10-Nov, 22:19
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	1-2km WSW	Recorded	1	Explosion	Undetermined	N/K	10-Nov, 20:07
	1-2km WSW	Recorded	1	Explosion	Airburst	N/K	10-Nov, 20:07
	1-2km WSW	Recorded	1	Explosion	Airburst	N/K	10-Nov, 20:08
	2-4km W	Recorded	1	Explosion	Undetermined	N/K	10-Nov, 20:10
	2-4km W	Recorded	1	Explosion	Undetermined	N/K	10-Nov, 20:13
	1-2km WSW	Recorded	1	Muzzle flash		N/K	10-Nov, 20:13
	1-2km WSW	Recorded	1	Explosion	Undetermined	N/K	10-Nov, 20:16
	2-4km NE	Recorded	2	Projectile	WNW to ESE	N/K	10-Nov, 22:54
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	3-5km NNE	Recorded	5	Projectile	SE to NW	N/K	10-Nov, 19:18
	3-5km N	Recorded	1	Projectile	W to E	N/K	10-Nov, 19:33
	3-5km N	Recorded	3	Projectile	SE to NW	N/K	10-Nov, 19:35
	3-5km N	Recorded	9	Projectile	SE to NW	N/K	10-Nov, 19:39
	3-5km N	Recorded	7	Projectile	SE to NW	N/K	10-Nov, 19:44
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	10-Nov, 19:45
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	10-Nov, 19:46
	4-6km N	Recorded	5	Projectile	ESE to WNW	N/K	10-Nov, 19:49
	4-6km N	Recorded	4	Projectile	E to W	N/K	10-Nov, 20:15
	4-6km N	Recorded	1	Projectile	W to E	N/K	10-Nov, 20:15
	3-5km N	Recorded	1	Projectile	WSW to ENE	N/K	10-Nov, 20:19
	3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	10-Nov, 20:55
	3-5km N	Recorded	1	Projectile	WSW to ENE	N/K	10-Nov, 21:06

<sup>10</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.

	3-5km N	Recorded	1	Projectile	SE to NW	N/K	10-Nov, 21:53
	4-6km N	Recorded	1	Illumination flare	In vertical flight	N/K	10-Nov, 21:58
	4-6km N	Recorded	4	Projectile	ESE to WNW	N/K	10-Nov, 22:00
	4-6km N	Recorded	1	Illumination flare	W to E	N/K	10-Nov, 22:03
	4-6km N	Recorded	1	Muzzle flash		N/K	10-Nov, 22:08
	4-6km N	Recorded	1	Projectile	ESE to WNW (subsequent to previous event)	N/K	10-Nov, 22:08
	4-6km N	Recorded	1	Explosion	Airburst (subsequent to previous event)	N/K	10-Nov, 22:08
	4-6km N	Recorded	1	Projectile	ESE to WNW	N/K	10-Nov, 22:08
	4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	10-Nov, 22:33
	4-6km N	Recorded	1	Illumination flare	In vertical flight	N/K	10-Nov, 23:05
	4-6km N	Recorded	1	Illumination flare	In vertical flight	N/K	10-Nov, 23:09
	4-6km N	Recorded	1	Illumination flare	In vertical flight	N/K	10-Nov, 23:31
	4-6km N	Recorded	1	Illumination flare	In vertical flight	N/K	10-Nov, 23:34
	4-6km N	Recorded	5	Projectile	SE to NW	N/K	10-Nov, 23:47
	4-6km N	Recorded	2	Projectile	W to E	N/K	11-Nov, 00:14
	4-6km N	Recorded	2	Projectile	E to W	N/K	11-Nov, 00:16
	4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	11-Nov, 00:16
	4-6km N	Recorded	2	Projectile	ESE to WNW	N/K	11-Nov, 00:17
	4-6km N	Recorded	2	Projectile	W to E	N/K	11-Nov, 00:17
	4-6km N	Recorded	3	Projectile	WSW to ENE	N/K	11-Nov, 00:18
	4-6km N	Recorded	1	Projectile	ESE to WNW	N/K	11-Nov, 00:18
	4-6km N	Recorded	3	Projectile	ESE to WNW	N/K	11-Nov, 00:19
	4-6km N	Recorded	3	Projectile	W to E	N/K	11-Nov, 00:19
	4-6km N	Recorded	3	Projectile	ESE to WNW	N/K	11-Nov, 00:20
	4-6km N	Recorded	2	Projectile	W to E	N/K	11-Nov, 00:20
	4-6km N	Recorded	2	Projectile	E to W	N/K	11-Nov, 01:10
	4-6km N	Recorded	4	Projectile	E to W	N/K	11-Nov, 02:15
	4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	11-Nov, 04:17
	4-6km N	Recorded	4	Projectile	E to W	N/K	11-Nov, 04:20
	4-6km N	Recorded	9	Projectile	SSW to NNE	N/K	11-Nov, 04:20
	4-6km N	Recorded	3	Projectile	WSW to ENE	N/K	11-Nov, 04:20
	5-7km N	Recorded	2	Projectile	E to W	N/K	11-Nov, 04:30
	3-5km N	Recorded	3	Projectile	SW to NE	N/K	11-Nov, 17:13
	3-5km N	Recorded	15	Projectile	W to E	N/K	11-Nov, 17:15
	3-5km N	Recorded	3	Projectile	E to W	N/K	11-Nov, 17:15
	3-5km N	Recorded	15	Projectile	W to E	N/K	11-Nov, 17:23
	3-5km NNE	Recorded	10	Projectile	SE to NW	N/K	11-Nov, 17:55
	3-5km N	Recorded	11	Projectile	W to E	N/K	11-Nov, 18:51
	3-5km N	Recorded	10	Projectile	E to W	N/K	11-Nov, 18:52
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	4-6km WSW	Recorded	2	Explosion	Undetermined	N/K	11-Nov, 18:04
	4-6km WSW	Recorded	1	Explosion	Undetermined	N/K	11-Nov, 18:05
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	11-Nov, 18:06
About 600m NE of Lebedynske (government-controlled, 99km S of Donetsk)	2-3km SE	Heard	5	Shot		Small arms	11-Nov, 10:41-10:45
	N/K E	Heard	4	Explosion	Undetermined	N/K	11-Nov, 10:41-10:45
	N/K SE	Heard	5	Shot		Small arms	11-Nov, 11:04-11:08
About 3km SW of Chermalyk (government-controlled, 77km S of Donetsk)	5-6km NNE	Heard	7	Explosion	Undetermined	N/K	11-Nov, 10:39-10:49
	5-6km NNE	Heard	2	Explosion	Undetermined	N/K	11-Nov, 11:01-11:11
	5-6km SE	Heard	3	Explosion	Undetermined	N/K	11-Nov, 11:01-11:11
	5-6km SE	Heard	4	Explosion	Undetermined	N/K	11-Nov, 11:11-11:21
About 2km WSW of Zalizne (formerly Artemove, government-controlled, 42km NE of Donetsk)	4-6km ESE	Heard	5	Explosion	Undetermined	N/K	11-Nov, 09:36
	3-4km NE	Heard	1	Explosion	Undetermined	N/K	11-Nov, 09:39
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	2-3km E	Heard	1	Explosion	Undetermined	N/K	11-Nov, 10:10
About 1km NW of Pivdenne (formerly Leninske, government-controlled, 40km NE of Donetsk)	3-4km E	Heard	7	Explosion	Undetermined	N/K	11-Nov, 10:12-10:14
	6-8km NE	Heard	4	Explosion	Undetermined	N/K	11-Nov, 11:15-11:30

About 3.5km SW of Hranitne (government-controlled, 60km S of Donetsk)	6-8km E	Heard	2	Explosion	Undetermined	N/K	11-Nov, 11:15-11:30
About 3km W of Bezimenne (non-government-controlled, 100km S of Donetsk)	5-7km NW	Heard	1	Explosion	Undetermined	N/K	11-Nov, 11:24
	5-7km NE	Heard	7	Explosion	Undetermined	N/K	11-Nov, 11:39-12:02
Horlivka (non-government-controlled, 39km NE of Donetsk)	3-5km SW	Heard	15	Explosion	Undetermined	N/K	11-Nov, 06:37-06:43
About 1km E of Holmivskiyi (non-government-controlled, 49km NE of Donetsk)	4-6km E	Heard	18	Explosion	Undetermined	N/K	11-Nov, 10:11-10:16
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	3-4km NW	Heard	1	Explosion	Undetermined	N/K	11-Nov, 10:10
About 500m E of Holmivskiyi (non-government-controlled, 49km NE of Donetsk)	4-6km SE	Heard	24	Explosion	Undetermined	N/K	11-Nov, 10:34-10:40
	4-6km SE	Heard	8	Explosion	Undetermined	N/K	11-Nov, 10:57-11:12
	4-6km SE	Heard	11	Explosion	Undetermined	N/K	11-Nov, 11:19-11:32
	4-6km SE	Heard	11	Explosion	Undetermined	N/K	11-Nov, 11:55-12:10
	4-6km SE	Heard	3	Explosion	Undetermined	N/K	11-Nov, 12:55-13:10
	4-6km SE	Heard	2	Explosion	Undetermined	N/K	11-Nov, 13:20-13:35
	4-6km SE	Heard	7	Explosion	Undetermined	N/K	11-Nov, 13:45-14:00
	3-5km SW	Heard	5	Explosion	Undetermined	N/K	11-Nov, 13:45-14:00
	4-6km SE	Heard	1	Explosion	Undetermined	N/K	11-Nov, 14:12-14:30
	3-5km SW	Heard	29	Explosion	Undetermined	N/K	11-Nov, 14:12-14:30
	4-6km NE	Heard	3	Explosion	Undetermined	N/K	11-Nov, 14:36-15:05
	3-5km SW	Heard	42	Explosion	Undetermined	N/K	11-Nov, 14:36-15:05
5-8km NW	Heard	32	Explosion	Undetermined	N/K	11-Nov, 14:36-15:05	
Mykhailivka (non-government-controlled, 30km NE of Donetsk)	5-6km SW	Heard	10	Explosion	Undetermined	N/K	11-Nov, 11:18-11:25
About 1km E of Holmivskiyi (non-government-controlled, 49km NE of Donetsk)	2-3km E	Heard	1	Explosion	Undetermined	N/K	11-Nov, 12:30-12:45
About 1.5km NW of Sofiiivka (formerly Karlo-Marksove, non-government-controlled, 40km NE of Donetsk)	2-3km SSW	Heard	13	Shot		Artillery (type N/K)	11-Nov, 12:55-13:05
	2-3km SSW	Heard	34	Burst		HMG	11-Nov, 12:55-13:05
W edge of Petrivske (non-government-controlled, 41km S of Donetsk)	3-6km SSE	Heard	65	Shot	Assessed as outside the disengagement area	Small arms	11-Nov, 13:20-13:33
	3-6km SSE	Heard	35	Burst	Assessed as outside the disengagement area	HMG	11-Nov, 13:20-13:33
Horlivka (non-government-controlled, 39km NE of Donetsk)	3-5km W	Heard	36	Explosion	Undetermined	N/K	11-Nov, 17:46-18:30
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	3-5km ESE	Recorded	1	Projectile	S to N (assessed as outside the disengagement area)	N/K	10-Nov, 23:13
N edge of Popasna (government-controlled, 69km W of Luhansk)	3-5km SE	Heard	16	Explosion	Undetermined	N/K	10-Nov, 23:25-00:00
	3-5km SE	Heard	12	Burst	Undetermined	HMG	10-Nov, 23:25-00:00
N edge of Kalynove Borshuvate (non-government-controlled, 61km W of Luhansk)	8-10km ESE	Heard	2	Explosion	Undetermined	N/K	11-Nov, 09:06-09:13
Kalynove (non-government-controlled, 60km west of Luhansk)	1-2km WSW	Heard	8	Burst	Undetermined	Small arms	11-Nov, 09:25-09:30
	1-2km WSW	Heard	2	Explosion	Undetermined	N/K	11-Nov, 09:25-09:30
	10-15km S	Heard	2	Explosion	Undetermined	N/K	11-Nov, 09:25-09:30
W edge of Kalynove (non-government-controlled, 60km W of Luhansk)	10-15km S	Heard	2	Explosion	Undetermined	N/K	11-Nov, 09:50-09:55
	15-20km SSE	Heard	1	Explosion	Undetermined	N/K	11-Nov, 09:50-09:55
S edge of Veselohorivka (non-government-controlled, 64km W of Luhansk)	5-6km NNW	Heard	4	Explosion	Undetermined	N/K	11-Nov, 12:10-12:13
	7-9km NNW	Heard	5	Explosion	Undetermined	N/K	11-Nov, 12:23-12:27
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	5-7km NNW	Heard	7	Burst	Undetermined	HMG	10-Nov, 20:23
	10-12km WNW	Heard	62	Explosion	Undetermined (unable to assess if inside or outside the disengagement area near Zolote)	N/K	11-Nov, 14:50-15:00
	13-15km NW	Heard	3	Explosion	Undetermined (unable to assess if inside or outside the disengagement area near Zolote)	N/K	11-Nov, 15:06-15:08
	10-12km W	Heard	3	Explosion	Undetermined (unable to assess if inside or outside the disengagement area near Zolote)	N/K	11-Nov, 15:06-15:08
N edge of Popasna (government-controlled, 69km W of Luhansk)	4-7km SE	Heard	19	Explosion	Undetermined	N/K	11-Nov, 14:50-14:57

### Map of Donetsk and Luhansk regions<sup>11</sup>



<sup>11</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).