

# Daily Report 267/2021

13 November 2021<sup>1</sup>

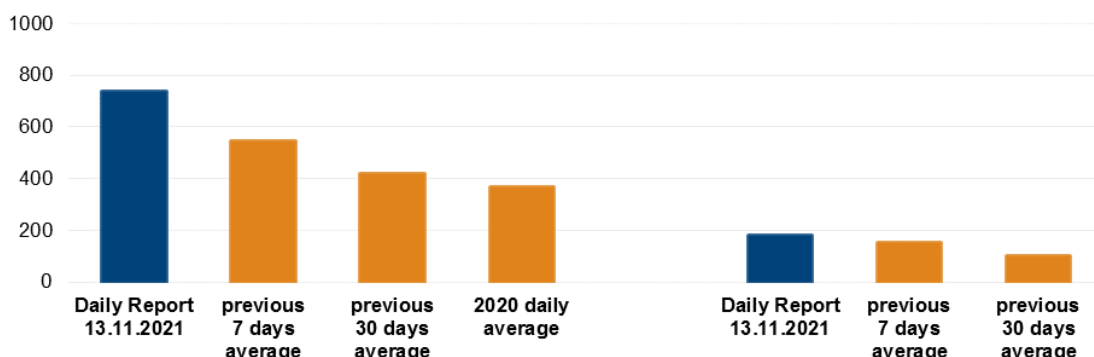
## Summary

- In Donetsk region, the SMM recorded 723 ceasefire violations, including 172 explosions. In the previous reporting period, it recorded 722 ceasefire violations in the region.
- In Luhansk region, the Mission recorded nine ceasefire violations, all undetermined explosions. In the previous reporting period, it recorded 149 ceasefire violations in the region.
- The SMM followed up on reports of damage to buildings and vehicles of a water company in government-controlled Nyzhnie, Luhansk region.
- The Mission continued monitoring the disengagement areas near Stanytsia Luhanska, Zolote and Petrivske. It spotted people inside the areas near Zolote and Petrivske and recorded ceasefire violations inside the area near Petrivske.
- An SMM long-range unmanned aerial vehicle (UAV) spotted a howitzer firing a round near non-government-controlled Fedorivka, Donetsk region.
- The Mission facilitated and monitored adherence to localized ceasefires to enable the operation 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 visited four border crossing points outside government control and also monitored areas outside government control in Donetsk and Luhansk regions.
- The SMM's freedom of movement continued to be restricted, including on the southern edge of the disengagement area near Zolote. Its UAVs again experienced instances of 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, 12 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.

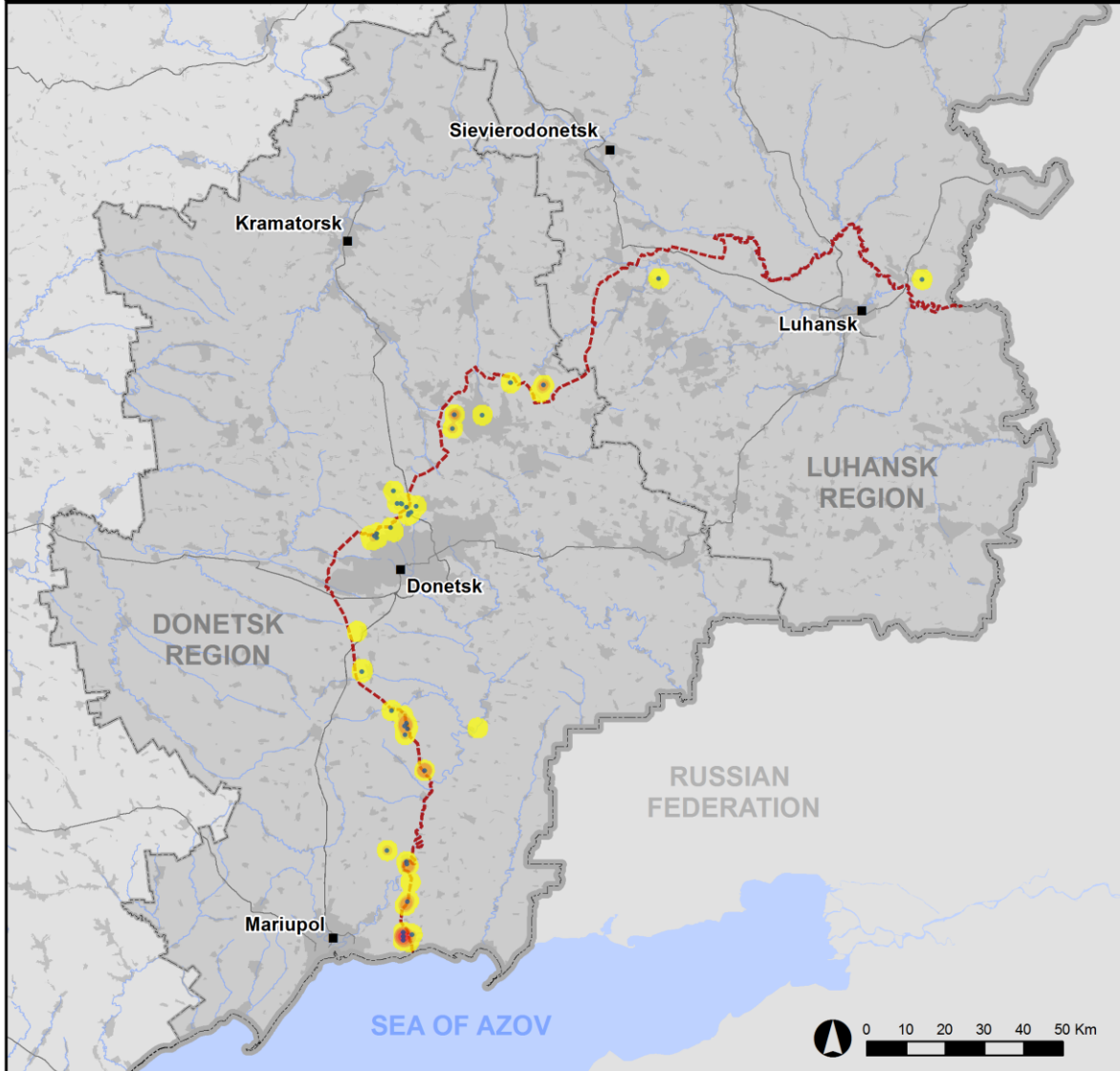
<sup>4</sup> Including from unidentified weapons.

### Map of recorded ceasefire violations

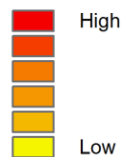


Organization for Security and  
Co-operation in Europe  
Special Monitoring Mission to Ukraine

## Ceasefire violations observed by the SMM 12 November 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: 13/11/2021

In Donetsk region, the SMM recorded 723 ceasefire violations, including 172 explosions (eight impacts and 164 undetermined). The majority of ceasefire violations occurred in areas north of Shyrokyne (government-controlled, 100km south of Donetsk), as well as inside and close to the disengagement area near Petrivske (non-government-controlled, 41km south of Donetsk) (see below). In the [previous reporting period](#), the Mission recorded 722 ceasefire violations in the region, the majority of which also occurred in areas north of Shyrokyne and close to the disengagement area near Petrivske.

In Luhansk region, the SMM recorded nine ceasefire violations, all undetermined explosions. All these ceasefire violations occurred north of Kadiivka (formerly Stakhanov, non-government-controlled, 50km west of Luhansk) and north-east of the disengagement area near Stanytsia Luhanska (government-controlled, 16km north-east of Luhansk) (see below). In the [previous reporting period](#), the Mission recorded 149 ceasefire violations in the region.

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 77,141 ceasefire violations in both Donetsk and Luhansk regions (including 20,740 explosions, 17,885 projectiles in flight, 366 muzzle flashes, 334 illumination flares and at least 37,816 bursts and shots).

#### **The Mission followed up on reports of damage to buildings and vehicles of a water company in government-controlled Nyzhnie, Luhansk region**

In Luhansk region, the SMM followed up on reports of craters and damage to buildings and vehicles of the Popasna Regional water company about 3km east-south-east of Nyzhnie (government-controlled, 56km north-west of Luhansk), reported to have occurred on 7 November.

On 11 November, at 1a Pryhorodna Street on the eastern edge of Nyzhnie, about 300m east of the Siverskyi Donets river, the Mission observed five craters and damage to five buildings (a main and a smaller garage, a workshop, a chemical laboratory and a transformer building) and to five vehicles (two excavators, an utility vehicle, a cargo truck and a tractor), all belonging to the Popasna Regional water company, supplying water to 4,500 beneficiaries in Nyzhnie and Novotoshkivske (government-controlled, 53km west of Luhansk).

In soft ground about 5m east of the water company's main garage, the SMM observed a crater, as well as saw at least 11 broken windows covered with fabric and about 130 holes and dents on the garage's east- and west-facing walls. The SMM assessed the crater and damage as recent, but was unable to assess the weapon used and the direction of fire (it assessed the damage as caused by shrapnel). The Mission also observed a large hole on the west-facing side of the garage's roof, assessed as recent and caused by an unknown weapon fired from a south-western direction.

In a yard about 35m south-west of the main garage, the SMM observed two excavators whose glass windows were broken. Inside the garage, the Mission observed damage to three vehicles: a light utility vehicle with three holes in its windshield and at least two holes inside its drivers' compartment; a cargo truck with more than one hole in its shattered windshield, as well as at least four holes in the outside and inside of its drivers' compartment; and a tractor with a large hole in its shattered rear glass window. The SMM assessed the damage to these five vehicles

as recent and caused by shrapnel, but was unable to assess the weapons used or the direction of the fire.

About 30m further north-west, the Mission observed multiple holes and dents on the south facing and east facing walls of a smaller garage. The SMM assessed the damage as recent and caused by shrapnel, was unable to assess the weapons used or the direction of fire.

About 70m south-east of the main garage, and between 15m and 30m north-east of another workshop, the Mission observed three craters, two in soft ground and one in asphalt, as well as damage to a nearby tree. The SMM assessed the craters as recent, but was unable to assess the weapons used. For the third crater only, it assessed the direction of fire as coming from a south-western direction. The Mission saw two large holes in the south-eastern and central parts of the workshop's roof, and observed 48 broken windows on all four walls of the workshop (45 on the first floor and three on the second floor). It assessed the two large holes as recent and caused by unknown weapons fired from a south-western direction, and also assessed the broken windows as recent.

Also, about 450m north-west of the aforementioned main garage, the SMM observed four broken windows and about 85 holes in the south-facing wall of a chemical laboratory belonging to the same company, as well as three broken windows and about 45 holes in its east-facing wall. It also saw damage to trees near the laboratory's south- and east-facing walls. The Mission assessed the damage as recent and caused by shrapnel, but was unable to assess the weapons used or the direction of the fire.

About 150m further north-north-west, and about 15m south-east of the company's transformer building, the SMM observed a crater in soft ground and at least 50 holes in the building's south-east-facing wall, as well as cracks in its ceiling. It assessed the crater as recent and caused by an unknown weapon fired from a south-south-eastern direction and the holes as recent but was unable to assess the weapons used or the direction of the fire.

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

On the evening of 11 November, while at Stanytsia Luhanska, the SMM heard two undetermined explosions at an assessed range of 3-6km east-south-east, assessed as outside the **disengagement area near Stanytsia Luhanska** but within 5km of its periphery.

On 12 November, inside the disengagement area, 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 11 November, inside the **disengagement area near Zolote** (government-controlled, 60km west of Luhansk), an SMM long-range unmanned aerial vehicle (UAV) spotted two people inside former positions of the Ukrainian Armed Forces about 1km south of the area's northern edge and about 70m west-south-west of road T-1316 and three people inside former positions of the armed formations about 70m west of the area's eastern edge and about 1.5km north of its south-eastern corner.

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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.

On the same day, inside the area, about 450m north of the area's southern edge, an SMM mini-UAV spotted a wooden crate and two metal boxes ([previously reported](#)), assessed as ammunition boxes (see also below).\* Outside the area, about 50m north of the area's northern edge, the same UAV spotted a previously reported structure made of reinforced concrete blocks on the north-western side of the road leading to Zolote-4/Rodina (government-controlled, 62km west of Luhansk), assessed as an underground bunker. (For previous observations in the area, see [SMM Daily Report of 10 September 2021](#)).

On 12 November, inside the area, about 1km south of the area's northern edge, the Mission [again](#) saw a metal box assessed as an ammunition box on the western edge of the road, about 70m south-south-east of the railway bridge. On the same day, also about 1km south of its northern edge, the Mission observed a camera, wrapped in camouflage fabric, attached to a tree about 20m west of road T-1316. About 900m south of its northern edge, the SMM observed two cables under the bridge laid across railway tracks, assessed as communication lines. Also, about 650m north of the area's southern edge, the SMM saw more than 20 metal spikes on the both edges of road T-1316.

On the same day, about 600m north of the area's southern edge, the Mission observed one wooden box (not previously reported) on the western edge of road T-1316, assessed as an ammunition box. Also, about 570m north of the area's southern edge, the SMM saw one anti-personnel mine (MON-50, not previously reported and not recently laid, without fuse) on the western edge of road T-1316. The anti-personnel mine was assessed as belonging to the armed formations. About 450m north of its southern edge, the Mission observed three [previously reported](#) boxes placed across road T-1316, assessed as ammunition boxes (see also above). The SMM left the area in a northerly direction.\*

Also on the same day, 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.\*

During the day on 11 November, inside the **disengagement area near Petrivske**, the abovementioned long-range UAV also spotted two people inside former positions of the armed formations about 310m north-north-west of the area's south-eastern corner.

On the evening of 11 November, the SMM camera 2km east of Bohdanivka (government-controlled, 41km south-west of Donetsk) recorded three explosions (one impact and two undetermined) and 44 projectiles in flight at assessed ranges of 1-4km east-south-east and south-east, assessed as inside the area, as well as one impact explosion at an assessed range of 2-4km south-east, unable to be assessed as either inside or outside the area. On the same evening, the SMM camera in Petrivske recorded 11 projectiles in flight at an assessed range of 2-4km west-north-west, assessed as outside the area but within 5km of its periphery. During the day on 12 November, while positioned about 2km east of Bohdanivka, the Mission heard 12 undetermined explosions at an assessed range of 3-5km south-south-east, assessed as outside the area but within 5km of its periphery. On the evening of 12 November, the SMM camera in Petrivske recorded one undetermined explosion at an assessed range of 5-7km west-north-west, assessed as outside the area but within 5km of its periphery.



## 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, on 11 November at 16:08, an SMM long-range UAV spotted two self-propelled howitzers (2S1 *Gvozdika*, 122mm), about 1.8km north-east of Fedorivka (non-government-controlled, 34km north-east of Donetsk) and about 12km east of the contact line, with their barrels facing westwards and elevated at about 45 degrees. It also spotted three people, assessed as members of the armed formations, standing approximately 15m from the aforementioned howitzers. At about 16:10, the UAV spotted a muzzle blast flash originating from one of the howitzers, assessed as a round fired, and subsequently spotted large patches, assessed as thermal scarring, on the ground on either side of the howitzer. Immediately afterwards, it spotted one of the three members of the armed formations picking up an object from the ground about 20m south of the howitzers. At 16:37, the UAV spotted both howitzers drive east along a forest track and subsequently enter a compound near Novoselivka (non-government-controlled, 37km north-east of Donetsk).

Additionally, also in violation of withdrawal lines, the SMM observed 15 multiple launch rocket systems, 15 howitzers, five tanks and one anti-tank gun in non-government-controlled areas of Donetsk and Luhansk regions, including at an airfield near Peremozhne (non-government-controlled, 19km south of Luhansk), Luhansk region, and at training areas near Ternove (non-government-controlled, 57km east of Donetsk) and Sofiivka (formerly Karlo-Marksove, non-government-controlled, 40km north-east of Donetsk), Donetsk region.

Beyond withdrawal lines but outside designated storage sites, in non-government-controlled areas of Donetsk and Luhansk regions, the Mission observed two surface-to-air missile systems, two mortars, one howitzer and 29 tanks, all at the aforementioned airfield near Peremozhne and the training areas near Ternove and Pokrovka (non-government-controlled, 36km east of Donetsk). (For further information, see the tables below.)

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

The SMM observed eight armoured combat vehicles in government-controlled areas of Donetsk and Luhansk regions, including near a residential area. It also observed six armoured combat vehicles in non-government-controlled areas of Donetsk region, including at a training area near Sofiivka and in an area in a zone within which deployment of heavy armament and military equipment is further proscribed according to Point 5 of the Memorandum of 19 September 2014, as well as one armoured combat vehicle in a non-government-controlled area of Luhansk region. (For further information, see the table below.)

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

On 11 November, near a residential area on the north-western edge of Betmanove (formerly Krasnyi Partyzan, non-government-controlled, 23km north-east of Donetsk), an SMM mini-UAV spotted five [previously reported](#) anti-tank mines laid across a road leading north to Verkhnotoretske (government-controlled, 23km north-east of Donetsk), assessed as belonging to the armed formations.

On 12 November, near a checkpoint of the armed formations on the western edge of Ozerianivka (non-government-controlled, 35km north-east of Donetsk), the Mission observed a mine hazard sign (red rectangle with white skull and crossbones, with “Stop! Mines!” written in Russian, not previously reported).

On the same day, the SMM spotted nine mine hazard signs (red rectangles with “Stop Mines” written in Russian) on a fence surrounding a compound previously assessed as belonging to the armed formations in the western part of Horlivka (non-government-controlled, 39km north-east of Donetsk).

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

The Mission continued to facilitate the operation of the Donetsk Filtration Station (15km north of Donetsk). While positioned at four locations near the DFS, the SMM heard eight explosions (one impact and seven undetermined) and one shot of small-arms fire, assessed as inside a 5km radius of the DFS.

### **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) and the corresponding checkpoint of the armed formations near Olenivka (non-government-controlled, 23km south-west of Donetsk) were open, with civilian traffic passing through in both directions.

While positioned at the corresponding checkpoint of the armed formations near Olenivka, the Mission observed five trucks, the first of which bearing the logo of an international humanitarian organisation, travelling towards government-controlled areas and three trucks bearing the logo of a different international humanitarian organization moving towards non-government-controlled areas.

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.

On 12 November, about 300m south of the EECP near Zolote, the SMM saw two trucks as well as 15 workers operating earth-levelling machinery near the intersection of road T-1316 and the road leading to Zolote 4/Rodina (government-controlled, 62km west of Luhansk), reportedly as part of renovation works at the EECP.

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<sup>6</sup>

While at a border crossing point near Uspenka (73km south-east of Donetsk) for about 60 minutes, the Mission saw three cars (including two with “DPR” plates), two covered cargo trucks, two buses (including one with “DPR” plates, each carrying passengers of mixed genders and ages) and 66 people (27 women and 36 men, mixed ages, and three children) entering Ukraine, as well as one car, three buses (with “DPR” plates, each carrying passengers of mixed genders and ages) and 57 people (22 women and 31 men, mixed ages, and four children) exiting Ukraine.

While at a border crossing point near Ulianivske (61km south-east of Donetsk) for about 40 minutes, the SMM observed four women (mixed ages) exiting Ukraine.

While at a border crossing point near Izvaryne (52km south-east of Luhansk) for about 30 minutes, the SMM observed eight cars, one bus and 30 people (mixed genders and ages, including four children) entering Ukraine, as well as four cars (including two with “LPR” plates) and seven people (mixed genders and ages) exiting Ukraine.

While at a pedestrian border crossing point near Verkhnoharasymivka (57km south-east of Luhansk) for about 15 minutes, the Mission did not observe any people entering or exiting Ukraine.

The SMM also monitored areas close to the border with the Russian Federation near Vasylivka (65km south-east of Donetsk), Amvrosiivka (56km south-east of Donetsk) and Cheremshyne (59km south-east of Luhansk), and 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 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.*

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<sup>6</sup> According to decisions in 2014 by the Cabinet of Ministers of Ukraine, operations are officially designated as suspended at these and other border crossing points located outside government control.



Denial:

- At the southern edge of the disengagement area near Zolote (government-controlled, 60km west of Luhansk), a member of the armed formations (wearing an armband with “JCCC” written on it) [again](#) denied the SMM passage north into the disengagement area, citing “instructions from his superiors”.

*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>7</sup>

- An SMM mid-range UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying over areas near Fedorivka (government-controlled, 71km south of Donetsk).
- SMM mini-UAVs experienced GPS signal interference, assessed as caused by probable jamming, during six flights: on three occasions while flying over areas near Pivdenne (formerly Leninske, government-controlled, 40km north-east of Donetsk), as well as once each while flying over areas near Sabivka (non-government-controlled, 13km west of Luhansk), Novoselivka (non-government-controlled, 16km west of Luhansk) and the north-western outskirts of non-government-controlled Luhansk city.

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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.

## Tables of weapons

### Weapons in violation of withdrawal lines

Date	No. of weapons	Type of weapon	Location	Source of observation
<b>Non-government-controlled areas</b>				
11/11/2021	1	Multiple launch rocket system (9K51, BM-21 <i>Grad</i> , 122mm)	At an airfield near Peremozhne (19km south of Luhansk)	Long-range UAV
	1	Self-propelled howitzer (2S3 <i>Akatsiya</i> , 152mm)		
	1	Self-propelled howitzer (2S1 <i>Gvozdika</i> , 122mm)		
	1	Towed howitzer (2A65 <i>Msta-B</i> , 152mm)		
	1	Towed howitzer (2A18M, D-30A <i>Lyagushka</i> , 122mm)		
	1	Towed anti-tank gun (2A29, MT-12 <i>Rapira</i> , 100mm)		
	1	Towed howitzer (52-P-546, D-20, 152mm)		
	4	Probable self-propelled howitzers (2S1 <i>Gvozdika</i> , 122mm)	In a training area near Ternove (57km east of Donetsk)	
	14	Multiple launch rocket system (9K51, BM-21 <i>Grad</i> , 122mm)		
	2	Self-propelled howitzer (2S1 <i>Gvozdika</i> , 122mm)	Near Fedorivka (34km north-east of Donetsk)	
5	Tank (type undetermined, one of which probable)	In a training area near Sofiiivka (formerly Karlo-Marksove, 40km north-east of Donetsk)	Mini-UAV	
2	Self-propelled howitzer (2S1 <i>Gvozdika</i> , 122mm)	Near Bile (22km west of Luhansk)	Long-range UAV	
4	Towed howitzer (2A18M, D-30A <i>Lyagushka</i> , 122mm)			

### 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>				
11/11/2021	1	Surface-to-air missile system (9K33 <i>Osa</i> )	At an airfield near Peremozhne (19km south of Luhansk)	Long-range UAV
	1	Surface-to-air missile system (9K35 <i>Strela-10</i> )		
	1	Towed mortar (2B9 <i>Vasilek</i> , 82mm)		
	1	Mortar (2B14 <i>Podnos</i> , 82mm)		
	2	Tank (one T-72B and one T-64B/T-64BM)	In a training area near Pokrovka (36km east of Donetsk)	
	1	Self-propelled howitzer (2S1 <i>Gvozdika</i> , 122mm)		
	24	Tank (type undetermined)	In a training area near Ternove (57km east of Donetsk)	
	3	Tank (type undetermined)		

### **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>				
11/11/2021	4	Armoured combat vehicles (type undetermined)	Near Novozvanivka (70km west of Luhansk)	Long-range UAV
12/11/2021	1	Armoured reconnaissance vehicle (BRDM-2)	Near a residential area of Stanytsia Luhanska (16km north-east of Luhansk)	SMM camera in Stanytsia Luhanska
	1	Mine clearing vehicle (type undetermined)	Near Netailove (22km north-west of Donetsk)	Patrol
	2	Mine layer (GMZ-3)		
<b>Non-government-controlled areas</b>				
11/11/2021	3	Probable infantry fighting vehicle (BMP variant)	In a training area near Sofiiivka (formerly Karlo-Marksove, 40km north-east of Donetsk)	Mini-UAV
	2	Armoured personnel carrier (MT-LB)		

<sup>8</sup> The hardware mentioned in this section is not proscribed by the provisions of the Minsk agreements on the withdrawal of weapons.

12/11/2021	1	Trench digger (type undetermined)	Near Zelene (46km south-east of Donetsk), in a zone within which deployment of heavy armament and military equipment is further proscribed according to Point 5 of the Memorandum of 19 September 2014.	Patrol
	1	Armoured personnel carrier (BTR-70)	In a residential area of Pionerske (19km east of Luhansk)	

**Table of ceasefire violations as of 12 November 2021<sup>9</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	5-7km SE	Recorded	1	Explosion	Undetermined	N/K	12-Nov, 18:15
	5-7km SE	Recorded	2	Explosion	Undetermined	N/K	12-Nov, 18:33
	4-6km SE	Recorded	2	Illumination flare		N/K	12-Nov, 18:34
SMM camera 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	1-3km ESE	Recorded	5	Projectile	SW to NE (assessed as inside the disengagement area near Petrivske)	N/K	11-Nov, 19:10
	1-3km ESE	Recorded	7	Projectile	SW to NE (assessed as inside the disengagement area near Petrivske)	N/K	11-Nov, 19:21
	1-3km ESE	Recorded	1	Explosion	Undetermined (assessed as inside the disengagement area near Petrivske)	N/K	11-Nov, 19:21
	1-3km SE	Recorded	1	Projectile	WSW to ENE (assessed as inside the disengagement area near Petrivske)	N/K	11-Nov, 21:54
	1-3km SE	Recorded	1	Explosion	Impact (subsequent to previous event, assessed as inside the disengagement area near Petrivske)	N/K	11-Nov, 21:54
	1-3km SE	Recorded	1	Explosion	Undetermined (assessed as inside the disengagement area near Petrivske)	N/K	11-Nov, 21:54
	2-4km SE	Recorded	1	Projectile	WSW to ENE (assessed as inside the disengagement area near Petrivske)	N/K	11-Nov, 22:09
	2-4km SE	Recorded	1	Explosion	Impact (subsequent to previous event) (unable to assess if inside or outside the disengagement area near Petrivske)	N/K	11-Nov, 22:09
	1-3km SE	Recorded	27	Projectile	SW to NE (assessed as inside the disengagement area near Petrivske)	N/K	12-Nov, 01:05
	1-3km SE	Recorded	1	Projectile	SW to NE (assessed as inside the disengagement area near Petrivske)	N/K	12-Nov, 01:07
	1-3km ESE	Recorded	4	Projectile	SW to NE (assessed as inside the disengagement area near Petrivske)	N/K	12-Nov, 01:52
SMM camera in Chernalyk (government-controlled, 77km S of Donetsk)	1-3km SSE	Recorded	9	Projectile	NNE to SSW	N/K	12-Nov, 02:29
	1-3km SSE	Recorded	8	Projectile	W to E	N/K	12-Nov, 02:30
	1-3km SSE	Recorded	13	Projectile	WSW to ENE	N/K	12-Nov, 03:39
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	3-5km SE	Recorded	1	Projectile	SW to NE	N/K	11-Nov, 19:07
	3-5km ESE	Recorded	12	Projectile	SSW to NNE	N/K	11-Nov, 21:53
	3-5km SE	Recorded	7	Projectile	NNE to SSW	N/K	11-Nov, 23:10
	3-5km ESE	Recorded	1	Projectile	SSW to NNE	N/K	12-Nov, 01:11
	3-5km ESE	Recorded	1	Projectile	SW to NE	N/K	12-Nov, 01:14
	3-5km SE	Recorded	4	Projectile	NNE to SSW	N/K	12-Nov, 01:59
	3-5km SE	Recorded	6	Projectile	NNE to SSW	N/K	12-Nov, 02:03
	3-5km SE	Recorded	1	Muzzle flash		N/K	12-Nov, 02:04
	3-5km SE	Recorded	2	Projectile	NNE to SSW	N/K	12-Nov, 02:04
	3-5km SE	Recorded	1	Projectile	In vertical flight	N/K	12-Nov, 02:04
	3-5km SE	Recorded	1	Projectile	NNE to SSW	N/K	12-Nov, 02:06
3-5km SE	Recorded	1	Projectile	NNE to SSW	N/K	12-Nov, 05:27	
SMM camera at entry-exit checkpoint in Hnutove (government-controlled, 90km S of Donetsk)	1-4km ENE	Recorded	1	Projectile	N to S	N/K	12-Nov, 18:48
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	1-3km W	Recorded	1	Explosion	Undetermined	N/K	11-Nov, 22:28
	1-3km W	Recorded	2	Muzzle flash		N/K	11-Nov, 22:28
	2-4km WSW	Recorded	2	Projectile	N to S	N/K	11-Nov, 23:23
	2-4km WSW	Recorded	1	Projectile	N to S	N/K	11-Nov, 23:24

<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.

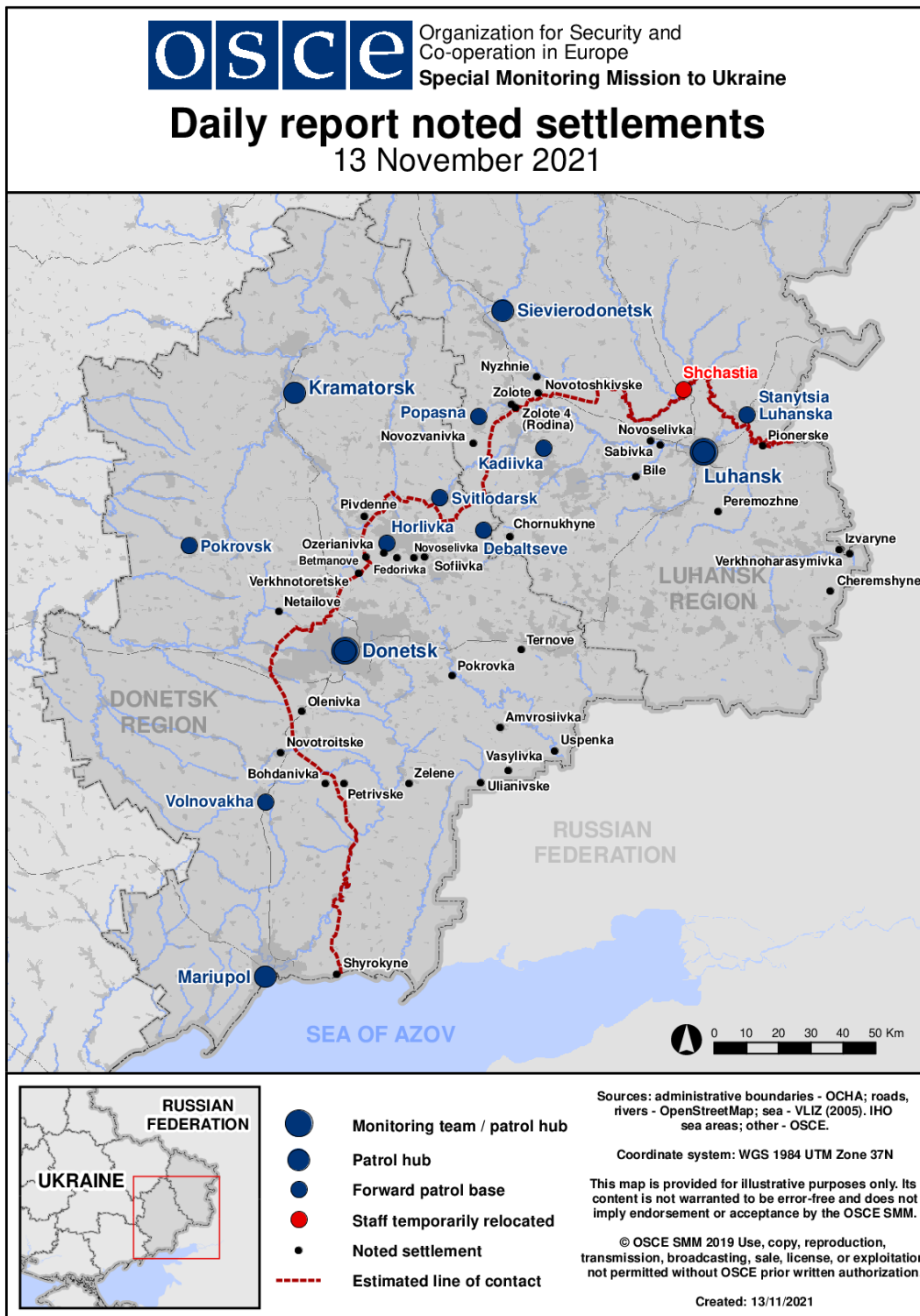
	2-4km WSW	Recorded	1	Projectile	NE to SW	N/K	11-Nov, 23:24
	2-4km W	Recorded	2	Muzzle flash		N/K	12-Nov, 04:07
	1-2km WSW	Recorded	1	Explosion	Undetermined	N/K	12-Nov, 04:55
	1-2km WSW	Recorded	1	Explosion	Undetermined	N/K	12-Nov, 05:24
	1-2km WNW	Recorded	1	Explosion	Undetermined	N/K	12-Nov, 05:56
	2-4km ENE	Recorded	1	Illumination flare	In vertical flight	N/K	11-Nov, 21:12
	2-4km NE	Recorded	2	Projectile	In vertical flight	N/K	11-Nov, 21:12
	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	12-Nov, 05:37
SMM camera in Petrivske (non-government-controlled, 41km S of Donetsk)	2-4km WNW	Recorded	5	Projectile	E to W (assessed as outside the disengagement area)	N/K	11-Nov, 19:59
	2-4km WNW	Recorded	6	Projectile	E to W (assessed as outside the disengagement area)	N/K	11-Nov, 21:27
	5-7km WNW	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	12-Nov, 18:28
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	3-5km N	Recorded	2	Projectile	E to W	N/K	11-Nov, 19:04
	3-5km N	Recorded	1	Projectile	W to E	N/K	11-Nov, 19:07
	3-5km N	Recorded	1	Projectile	SE to NW	N/K	11-Nov, 19:07
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	11-Nov, 19:11
	3-5km N	Recorded	9	Projectile	SE to NW	N/K	11-Nov, 19:11
	3-5km NNE	Recorded	10	Projectile	SE to NW	N/K	11-Nov, 19:14
	3-5km NNE	Recorded	1	Projectile	In vertical flight	N/K	11-Nov, 19:14
	3-5km N	Recorded	2	Projectile	SE to NW	N/K	11-Nov, 19:20
	3-5km N	Recorded	1	Projectile	E to W	N/K	11-Nov, 19:23
	3-5km N	Recorded	4	Projectile	W to E	N/K	11-Nov, 19:24
	3-5km N	Recorded	9	Projectile	SE to NW	N/K	11-Nov, 19:31
	4-6km N	Recorded	32	Projectile	ESE to WNW	N/K	11-Nov, 19:44
	4-6km N	Recorded	33	Projectile	WSW to ENE	N/K	11-Nov, 19:50
	4-6km N	Recorded	29	Projectile	ESE to WNW	N/K	11-Nov, 19:57
	4-6km N	Recorded	2	Projectile	WSW to ENE	N/K	11-Nov, 19:58
	4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	11-Nov, 20:01
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	11-Nov, 20:20
	4-6km N	Recorded	22	Projectile	WSW to ENE	N/K	11-Nov, 20:46
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	11-Nov, 20:52
	4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	11-Nov, 20:52
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	11-Nov, 20:53
	4-6km N	Recorded	2	Projectile	WSW to ENE	N/K	11-Nov, 20:53
	4-6km N	Recorded	6	Projectile	ESE to WNW	N/K	11-Nov, 21:01
	4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	11-Nov, 21:04
	4-6km N	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	11-Nov, 21:04
	4-6km N	Recorded	2	Projectile	WSW to ENE	N/K	11-Nov, 21:05
	4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	11-Nov, 21:06
	4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	11-Nov, 21:46
	4-6km N	Recorded	8	Projectile	WSW to ENE	N/K	11-Nov, 22:06
	4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	11-Nov, 22:14
	4-6km N	Recorded	2	Projectile	WSW to ENE	N/K	11-Nov, 22:15
	4-6km N	Recorded	3	Projectile	ESE to WNW	N/K	11-Nov, 22:16
	4-6km N	Recorded	2	Projectile	WSW to ENE	N/K	11-Nov, 22:18
	4-6km N	Recorded	1	Projectile	E to W	N/K	11-Nov, 22:26
	4-6km N	Recorded	2	Projectile	WSW to ENE	N/K	11-Nov, 22:41
	4-6km N	Recorded	2	Projectile	W to E	N/K	11-Nov, 22:56
	4-6km N	Recorded	2	Projectile	W to E	N/K	11-Nov, 22:59
	4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	11-Nov, 23:29
	4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	11-Nov, 23:32
	4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	11-Nov, 23:33
	4-6km N	Recorded	8	Projectile	WSW to ENE	N/K	11-Nov, 23:40
	4-6km N	Recorded	6	Projectile	WSW to ENE	N/K	11-Nov, 23:54
	4-6km N	Recorded	2	Projectile	WSW to ENE	N/K	11-Nov, 23:55



	4-6km N	Recorded	11	Projectile	W to E	N/K	12-Nov, 00:00
	4-6km N	Recorded	4	Projectile	W to E	N/K	12-Nov, 00:01
	4-6km N	Recorded	5	Projectile	W to E	N/K	12-Nov, 00:30
	4-6km N	Recorded	2	Projectile	WSW to ENE	N/K	12-Nov, 00:31
	4-6km N	Recorded	11	Projectile	ESE to WNW	N/K	12-Nov, 00:34
	4-6km N	Recorded	62	Projectile	W to E	N/K	12-Nov, 00:46
	4-6km N	Recorded	16	Projectile	ESE to WNW	N/K	12-Nov, 00:48
	4-6km N	Recorded	17	Projectile	W to E	N/K	12-Nov, 00:52
	4-6km N	Recorded	1	Muzzle flash		N/K	12-Nov, 01:02
	4-6km N	Recorded	1	Projectile	E to W (subsequent to previous event)	N/K	12-Nov, 01:02
	4-6km N	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	12-Nov, 01:02
	4-6km N	Recorded	3	Projectile	WSW to ENE	N/K	12-Nov, 01:02
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	12-Nov, 01:02
	4-6km N	Recorded	2	Projectile	WSW to ENE	N/K	12-Nov, 01:47
	4-6km N	Recorded	1	Projectile	ESE to WNW	N/K	12-Nov, 01:49
	4-6km N	Recorded	2	Projectile	E to W	N/K	12-Nov, 01:58
	4-6km N	Recorded	1	Projectile	ESE to WNW	N/K	12-Nov, 02:02
	4-6km N	Recorded	1	Muzzle flash		N/K	12-Nov, 02:33
	4-6km N	Recorded	1	Projectile	E to W (subsequent to previous event)	N/K	12-Nov, 02:33
	4-6km N	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	12-Nov, 02:33
	4-6km N	Recorded	1	Projectile	W to E	N/K	12-Nov, 03:04
	4-6km N	Recorded	1	Projectile	In vertical flight	N/K	12-Nov, 03:04
	4-6km N	Recorded	5	Projectile	WSW to ENE	N/K	12-Nov, 03:05
	4-6km N	Recorded	2	Projectile	WSW to ENE	N/K	12-Nov, 03:49
	4-6km N	Recorded	2	Projectile	WSW to ENE	N/K	12-Nov, 03:54
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	12-Nov, 03:54
	4-6km N	Recorded	5	Projectile	ESE to WNW	N/K	12-Nov, 04:35
	4-6km N	Recorded	2	Projectile	ESE to WNW	N/K	12-Nov, 04:50
	4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	12-Nov, 05:41
	5-7km NNE	Recorded	1	Explosion	Undetermined	N/K	12-Nov, 16:54
	5-7km NNE	Recorded	2	Explosion	Undetermined	N/K	12-Nov, 16:54
	5-7km NNE	Recorded	1	Muzzle flash		N/K	12-Nov, 16:54
	5-7km NNE	Recorded	1	Projectile	E to W (subsequent to previous event)	N/K	12-Nov, 16:54
	5-7km NNE	Recorded	1	Explosion	Undetermined	N/K	12-Nov, 16:54
	5-7km NNE	Recorded	1	Muzzle flash		N/K	12-Nov, 17:03
	5-7km NNE	Recorded	1	Projectile	ESE to WNW (subsequent to previous event)	N/K	12-Nov, 17:03
	5-7km NNE	Recorded	1	Explosion	Undetermined	N/K	12-Nov, 17:03
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	12-Nov, 17:09
	5-7km N	Recorded	3	Projectile	W to E	N/K	12-Nov, 17:11
	5-7km N	Recorded	2	Projectile	W to E	N/K	12-Nov, 17:12
	5-7km N	Recorded	1	Muzzle flash		N/K	12-Nov, 17:14
	5-7km N	Recorded	1	Projectile	In vertical flight	N/K	12-Nov, 17:14
	5-7km N	Recorded	1	Muzzle flash		N/K	12-Nov, 17:19
	5-7km N	Recorded	1	Projectile	W to E (subsequent to previous event)	N/K	12-Nov, 17:19
	5-7km N	Recorded	1	Explosion	Undetermined (subsequent to previous event)	N/K	12-Nov, 17:19
	5-7km N	Recorded	1	Muzzle flash		N/K	12-Nov, 17:19
	5-7km N	Recorded	1	Projectile	W to E (subsequent to previous event)	N/K	12-Nov, 17:19
	5-7km N	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	12-Nov, 17:19
	5-7km N	Recorded	1	Muzzle flash		N/K	12-Nov, 17:19
	5-7km N	Recorded	1	Projectile	W to E (subsequent to previous event)	N/K	12-Nov, 17:19
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	5-7km WSW	Recorded	1	Explosion	Undetermined	N/K	12-Nov, 01:36
	5-7km WSW	Recorded	1	Explosion	Undetermined	N/K	12-Nov, 01:48
	5-7km WSW	Recorded	1	Projectile	ESE to WNW	N/K	12-Nov, 01:48
	5-7km WSW	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	12-Nov, 01:48
	5-7km WSW	Recorded	2	Explosion	Undetermined	N/K	12-Nov, 01:50
	3-5km SE	Recorded	4	Explosion	Undetermined	N/K	12-Nov, 17:05

	3-5km SE	Recorded	6	Projectile	WSW to ENE	N/K	12-Nov, 17:05
	3-5km SE	Recorded	4	Projectile	NNE to SSW	N/K	12-Nov, 17:46
	4-6km SSE	Recorded	5	Projectile	W to E	N/K	12-Nov, 17:49
	3-5km SE	Recorded	3	Projectile	NNE to SSW	N/K	12-Nov, 17:49
	3-5km SE	Recorded	4	Projectile	NNE to SSW	N/K	12-Nov, 17:50
Horlivka (non-government-controlled, 39km NE of Donetsk)	3-5km W	Heard	12	Explosion	Undetermined	N/K	11-Nov, 18:35-19:25
	4-6km NE	Heard	1	Explosion	Undetermined	N/K	12-Nov, 05:37
	4-6km NW	Heard	8	Explosion	Undetermined	N/K	12-Nov, 16:56-17:14
	4-6km NW	Heard	7	Burst	Undetermined	HMG	12-Nov, 16:56-17:14
	4-6km NW	Heard	7	Explosion	Undetermined	N/K	12-Nov, 18:15-18:30
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	3-4km W	Heard	1	Shot		Small arms	12-Nov, 09:08
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	12-Nov, 09:19
	5-6km W	Heard	1	Explosion	Undetermined	N/K	12-Nov, 09:29
	4-5km W	Heard	1	Explosion	Undetermined	N/K	12-Nov, 09:37
	0.75-1km SW	Heard and saw	1	Explosion	Impact	N/K	12-Nov, 12:20
Yasynuvata (non-government-controlled, 16km NE of Donetsk)	3-4km SW	Heard	1	Explosion	Undetermined	N/K	12-Nov, 13:03
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	12-Nov, 13:11
About 1km SSW of Olenivka (non-government-controlled, 23km SW of Donetsk)	1.5-2km NW	Heard	2	Burst		Small arms	12-Nov, 09:06
About 4.5km SSE of Vesele (non-government-controlled, 45km SE of Donetsk)	3-4km NW	Heard	2	Shot		HMG	12-Nov, 09:05
About 2km SSE of Kamianka (government-controlled, 20km N of Donetsk)	3-4km SSW	Heard	1	Explosion	Undetermined	N/K	12-Nov, 08:54
	3-4km W	Heard	1	Explosion	Undetermined	N/K	12-Nov, 09:23
	3-4km W	Heard	2	Explosion	Undetermined	N/K	12-Nov, 09:37
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	2km ESE	Heard	1	Explosion	Undetermined	N/K	12-Nov, 12:20
About 2km NE of Chernenko (government-controlled, 86km S of Donetsk)	7-10km NNE	Heard	4	Explosion	Undetermined	N/K	12-Nov, 10:50-10:54
	7-10km NNE	Heard	2	Explosion	Undetermined	N/K	12-Nov, 11:02
Pavlopil (government-controlled, 84km S of Donetsk)	4-6km NNE	Heard	2	Explosion	Undetermined	N/K	12-Nov, 12:02
	7-9km NNW	Heard	12	Explosion	Undetermined	N/K	12-Nov, 12:02-12:24
	5-7km SSE	Heard	3	Explosion	Undetermined	N/K	12-Nov, 12:10
Hranitne (government-controlled, 60km S of Donetsk)	6-7km N	Heard	4	Explosion	Undetermined	N/K	12-Nov, 12:00-12:10
	6-7km N	Heard	54	Explosion	Undetermined	N/K	12-Nov, 12:20-12:33
About 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	3-5km SSE	Heard	12	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	12-Nov, 12:25-12:32
Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)	3-6km ESE	Heard	2	explosion	Undetermined (assessed as outside the disengagement area near Stanytsia Luhanska)	Other	11-Nov, 20:06
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	8-10km N	Heard	7	explosion	Undetermined	N/K	12-Nov, 15:04-15:22

### 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).