

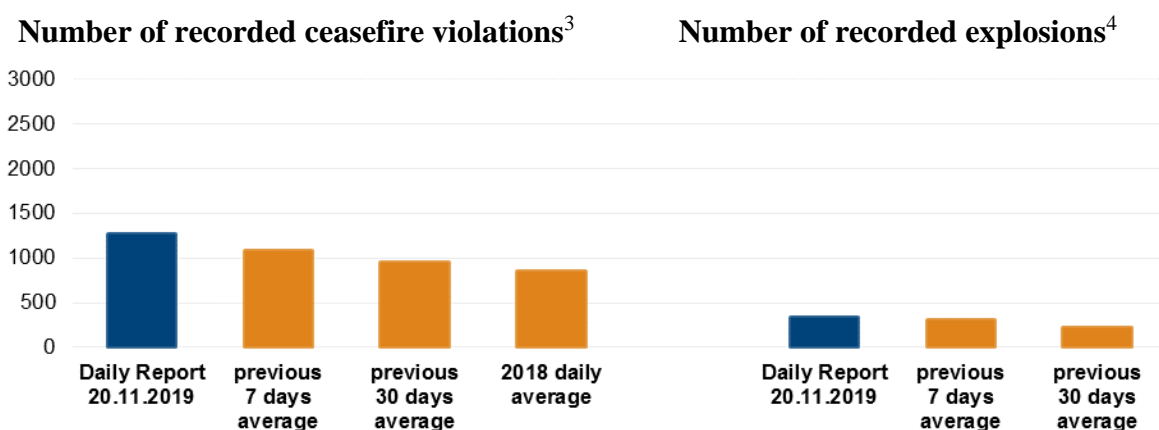
# Daily Report 275/2019

20 November 2019<sup>1</sup>

## Summary

- Compared with the previous reporting period, the SMM recorded fewer ceasefire violations in Donetsk and Luhansk regions.
- The SMM continued to monitor the situation at the Petrivske disengagement area.
- The Mission observed ongoing dismantling of defensive positions and demining activities in the Zolote disengagement area.
- Inside the Stanytsia Luhanska disengagement area, the Mission continued to observe construction works at the broken section of the bridge.
- The SMM observed six weapons in violation of the withdrawal lines in non-government-controlled areas of Luhansk region.
- Restrictions of the SMM's freedom of movement continued in non-government-controlled areas of Donetsk region, including in Hryhorivka and Shevchenko, at checkpoints near Zaichenko and Bezimenne, and at a weapons permanent storage site.\*

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



<sup>1</sup> Based on information from the Monitoring Teams as of 19:30, 19 November 2019. All times are in Eastern European Time.

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

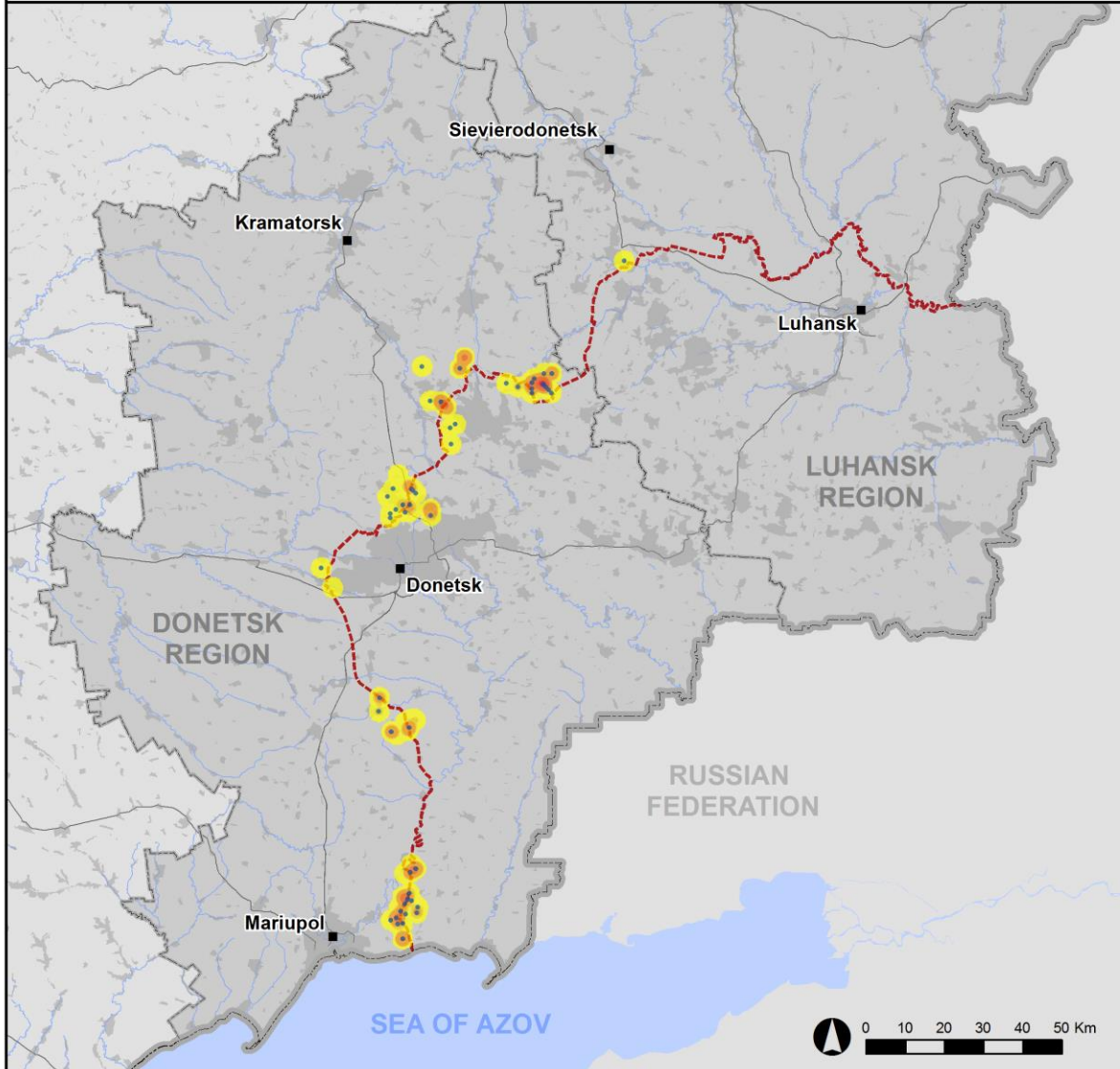
<sup>3</sup> Including explosions.

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

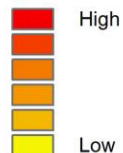
### Map of recorded ceasefire violations

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

## Ceasefire violations observed by the SMM 19 November 2019



#### Ceasefire violation concentration



- Explosion
- Settlement
- ..... Estimated line of contact

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

Coordinate System: WGS 1984 UTM Zone 37N

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

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Created: 20/11/2019

In Donetsk region, the SMM recorded fewer ceasefire violations, including fewer explosions (about 300 explosions), compared with the [previous reporting period](#) (about 315 explosions). The majority of ceasefire violations, including the majority of explosions, were recorded at southerly and easterly directions of Svitlodarsk (government-controlled, 57km north-east of Donetsk), in westerly and south-south-easterly directions of Horlivka (non-government-controlled, 39km north-east of Donetsk), easterly directions of Pyshevyk (government-controlled, 84km south of Donetsk), south-easterly directions of Chermalyk (government-controlled, 77km south of Donetsk), and south-south-west of Kurdiuvivka (government-controlled, 54km north of Donetsk).

In Luhansk region, the SMM recorded one ceasefire violation (explosion), north-north-east of Zolote-4/Rodina (government-controlled, 59km west of Luhansk), compared with the [previous reporting period](#) (two ceasefire violations).

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

On 19 November, positioned about 2km north of **Petrivske** (non-government-controlled, 41km south of Donetsk), the SMM saw at least ten deminers from non-government-controlled areas in a minibus and a truck heading towards the disengagement area. While at the same location, the SMM heard 22 undetermined explosions 3-5km south-south-west, assessed as inside the disengagement area, and a shot and seven bursts of small-arms fire at an assessed range of 1-2km south and south-south-west, all assessed as outside the disengagement area.

On the same day, beside the road between Bohdanivka (government-controlled, 41km south-west of Donetsk) and Viktorivka (non-government-controlled, 42km south-west of Donetsk), about 300m east of the north-west edge of the disengagement area, the SMM saw an area of about five square meters marked off with tape, containing at least 36 anti-tank mines and other unexploded ordnance (UXO). On the morning of the same day, positioned at the aforementioned location, the SMM heard 35 undetermined explosions and a burst of heavy-machine gun fire, at an assessed range of 2-5km south-south-west, as well as three shots of small-arms fire, at an assessed range of 3-5km south, all assessed as outside the disengagement area.

On 18 November, inside the **disengagement area near Zolote** (government-controlled, 60km west of Luhansk), an SMM mini-unmanned aerial vehicle (UAV) spotted that military positions on road T-1316 near the railway bridge, about 900m south of the area's northern edge, [reported](#) being dismantled on 16 November, were no longer present. About 200m further south on the same road, the UAV also spotted four vehicles and 17 workers from government-controlled areas with three cars and a crane dismantling defensive positions.

On 18 November, the SMM saw two members of the State Emergency Service (SES) of Ukraine driving south on road T-1316 towards the railway bridge in a white vehicle with the SES logo on the side. It also saw a Ukrainian Armed Forces soldier walking north across the bridge. About 100m south of the railway bridge, east of road T-1316, the SMM saw at least ten SES personnel, a Ukrainian Armed Forces Officer of the Joint Centre for Control and Co-ordination (JCCC), two civilian vehicles and two cranes on trucks near two bunkers. Near the bunkers, the Mission saw an area beside the road of about two square meters marked off with

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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.

tape, containing an anti-personnel mine (MON-50), two rocket-propelled grenades (RPG-22 HEAT), two hand grenades (RGD-5) with primers dismantled, and three boxes of ammunition.

On the same day, at the checkpoint of the Ukrainian Armed Forces about 300m north of the disengagement area, the SMM saw an armoured ambulance (MT-LB S), an armoured personnel carrier (APC) (KrAZ Cobra) with a mounted heavy-machine gun and a truck.

Also on 18 November, about 100-200m north of the disengagement area's southern edge, the Mission observed workers from non-government-controlled areas cutting and burning vegetation 1-2m east of road T-1316.

On 19 November, inside the disengagement area, the Mission saw 19 SES deminers with a crane, an excavator, a dump truck and a pickup truck driving west in the northern section of the area towards Katerynivka (government-controlled, 64km west of Luhansk).

At the southern edge of the area, the Mission saw five deminers and 16 workers from non-government-controlled areas, three members of the armed formations (wearing armbands with "JCCC" written on them), and a bulldozer entering the disengagement area and conducting demining activities and vegetation clearance 15m east and west of the road up to 400m north of the area's southern edge.

Outside the disengagement area, the Mission [again](#) observed recently-constructed military positions about 120m north of the area's northern edge, about 700m east of road T-1316, extending east by about 450m, and a trench digger, two military trucks and about 20 Ukrainian Armed Forces personnel digging trenches and improving one of the positions.

On 19 November, inside **the disengagement area near Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk), the SMM observed at least ten workers from government-controlled areas painting sections of the new bridge and removing scaffolding. Between the southern edge of the newly constructed section of the bridge and the checkpoint of the armed formations, the SMM observed four members of the armed formations (wearing armbands with "JCCC" written on them).

### **Withdrawal of weapons**

The SMM continued to monitor the withdrawal of weapons in implementation of the Memorandum and the Package of Measures and its Addendum.

The Mission observed six weapons in violation of the withdrawal lines in non-government-controlled areas of Luhansk region. It observed nine weapons beyond withdrawal lines but outside of designated storage sites in government-controlled areas of Donetsk region and non-government-controlled areas of Luhansk region (for further details, see the tables below).

### **Indications of military presence in the security zone<sup>6</sup>**

The SMM observed military presence inside the security zone in government-controlled areas of Donetsk and Luhansk regions, including infantry fighting vehicles, an armoured

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<sup>6</sup> The hardware mentioned in this section is not proscribed by the provisions of the Minsk agreements on the withdrawal of weapons.

reconnaissance vehicle, an armoured personnel carrier, a trench digger and a defensive position under construction (for further details, see the table below).

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

The SMM monitored adherence to the ceasefire to facilitate repair works to power lines in the vicinity of Zalizne (government-controlled, 42km north-east of Donetsk), Shumy (government-controlled, 41km north of Donetsk) and Maiorsk (government-controlled, 45km north-east of Donetsk). It continued to facilitate the operation of the Donetsk Filtration Station (15km north of Donetsk).

### **Border areas not under government control**

While at a border crossing point near Dovzhanske (84km south-east of Luhansk) for about one hour, the SMM saw a covered cargo truck with Ukrainian licence plates entering Ukraine and two fuel trucks with “LPR” plates and a pedestrian (man, 55 years old) exiting Ukraine.

The Mission continued monitoring in Kherson, Odessa, Lviv, Ivano-Frankivsk, Kharkiv, Dnipro, Chernivtsi and Kyiv.

### **\*Restrictions of the SMM’s freedom of movement or other impediments to fulfilment of its mandate**

*The SMM’s monitoring and freedom of movement are restricted by security hazards and threats, including risks posed by mines, UXO and other impediments – which vary from day to day. The SMM’s mandate provides for safe and secure access throughout Ukraine. All signatories of the Package of Measures have agreed on the need for this safe and secure access, that restriction of the SMM’s freedom of movement constitutes a violation, and on the need for rapid response to these violations. They have also agreed that the JCCC should contribute to such response and co-ordinate mine clearance. Nonetheless, the armed formations in parts of Donetsk and Luhansk regions frequently deny the SMM access to areas adjacent to Ukraine’s border outside control of the Government (for example, see [SMM Daily Report of 19 November 2019](#)). The SMM’s operations in Donetsk and Luhansk regions remain restricted following [the fatal incident of 23 April 2017 near Pryshyb](#); these restrictions continued to limit the Mission’s observations.*

#### Denial of access:

- At the eastern entrance of Shevchenko (non-government-controlled, 69km south of Donetsk), two armed members of the armed formations prevented the SMM from proceeding west citing “kinetic activities in the area”.
- At a checkpoint of the armed formations 800m north of Zaichenko (non-government-controlled, 93km south of Donetsk), two armed members of the armed formations [again](#) prevented the SMM from continuing towards Sakhanka (non-government-controlled, 97km south of Donetsk) and Pikuzy (formerly Kominternove, non-government-controlled, 92km south of Donetsk), citing “demining activities in the area”.
- Upon arrival in Hryhorivka (non-government-controlled, 68km south of Donetsk), two armed members of the armed formations asked the SMM to leave the area citing “kinetic activities in the area”.

- At a checkpoint of the armed formations 2.7km west of Bezimenne (non-government-controlled, 100km south of Donetsk), three armed members of the armed formations prevented the SMM from proceeding west citing “ongoing operations in the area”.
- At a weapons permanent storage site in non-government-controlled areas of Donetsk region, two armed members of the armed formations prevented the SMM from entering the site, citing orders from their 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.

## Table of weapons

### Weapons in violation of the withdrawal lines

Date	No. of weapons	Type of weapon	Location	Source of observation
<b>Non-government-controlled areas</b>				
18/11/2019	5	Self-propelled howitzer (2S1 <i>Gvozdika</i> , 122mm)	In a training area near Shymshynivka (27km south-west of Luhansk) (for previous observations, see <a href="#">SMM Daily Report 6 November 2019</a> ).	Mini UAV
	1	Anti-tank gun (MT-12 <i>Rapira</i> , 100mm)		

### Beyond withdrawal lines but outside of designated storage sites

Date	No. of weapons	Type of weapon	Location	Source of observation
<b>Government-controlled areas</b>				
18/11/2019	1	Surface-to-air missile system (9K35, <i>Strela-10</i> )	In a compound in Peredove (68km south-west of Donetsk)	Mini UAV
	6	Probable multiple launch rocket system (BM-21 <i>Grad</i> , 122mm)	In Peredove (68km south-west of Donetsk)	
19/11/2019	1	Self-propelled anti-aircraft system (2K22 <i>Tunguska</i> )	Pidhorodne (73km north of Donetsk)	Patrol
<b>Non-government-controlled areas</b>				
18/11/2019	1	Self-propelled mortar (2S9 <i>Nona-S</i> , 120mm)	In a training area near Shymshynivka (27km south-west of Luhansk) (see above)	Mini UAV

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

Date	No.	Type	Location	Source of observation
<b>Government-controlled areas</b>				
18/11/2019	4	Infantry fighting vehicle (BMP variant)	Near Hranitne (60km south of Donetsk)	Mini UAV
	1	Trench digger (PZM-2)	Near Zolote-4/Rodina (59km north-west of Luhansk)	Patrol
	1	Infantry fighting vehicle (BMP variant)	Zolote (60km west of Luhansk)	
	1	Armoured reconnaissance vehicle (BRDM-2 variant)		
	1	Defensive position under construction	Near Zolote-4/Rodina (59km west of Luhansk)	
	2	Armoured personnel carrier ( <i>Kozak-2</i> )	Zolote-4/Rodina (59km west of Luhansk)	

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

**Table of ceasefire violations as of 19 November 2019<sup>8</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date and time
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	3-5km SE	Recorded	1	Projectile	SW to NE	N/K	18-Nov, 19:05
	3-5km SE	Recorded	3	Projectile	SW to NE	N/K	18-Nov, 19:45
	3-5km SE	Recorded	2	Projectile	SW to NE	N/K	18-Nov, 19:46
	3-5km SE	Recorded	1	Projectile	N to S	N/K	18-Nov, 19:46
	2-3km SE	Recorded	1	Projectile	SW to NE	N/K	18-Nov, 21:25
	3-5km SE	Recorded	1	Muzzle flash		N/K	18-Nov, 23:09
	3-5km SSE	Recorded	1	Projectile	NE to SW	N/K	18-Nov, 23:09
	3-5km SSE	Recorded	1	Explosion	Airburst	N/K	18-Nov, 23:09
	3-5km SSE	Recorded	10	Projectile	NE to SW	N/K	18-Nov, 23:09
	3-5km SSE	Recorded	10	Projectile	NE to SW	N/K	18-Nov, 23:21
	3-5km SSE	Recorded	1	Explosion	Undetermined	N/K	18-Nov, 23:29
	3-5km SE	Recorded	13	Projectile	NE to SW	N/K	18-Nov, 23:38
	3-5km SE	Recorded	4	Projectile	NE to SW	N/K	18-Nov, 23:39
	3-5km SE	Recorded	3	Explosion	Outgoing	N/K	18-Nov, 23:39
	3-5km SE	Recorded	7	Projectile	NE to SW	N/K	18-Nov, 23:44
	3-5km SSE	Recorded	15	Projectile	NE to SW	N/K	18-Nov, 23:45
	3-5km SSE	Recorded	8	Projectile	NE to SW	N/K	18-Nov, 23:47
	3-5km SSE	Recorded	2	Projectile	NE to SW	N/K	18-Nov, 23:48
	3-5km S	Recorded	1	Projectile	In vertical flight	N/K	18-Nov, 23:48
	3-5km SE	Recorded	3	Projectile	NE to SW	N/K	18-Nov, 23:51
	3-5km SE	Recorded	1	Explosion	Impact	N/K	18-Nov, 23:51
	3-5km SE	Recorded	4	Projectile	NE to SW	N/K	18-Nov, 23:54
	3-5km SE	Recorded	3	Projectile	NE to SW	N/K	18-Nov, 23:56
	3-5km SE	Recorded	1	Explosion	Impact	N/K	18-Nov, 23:56
	3-5km SE	Recorded	10	Projectile	NE to SW	N/K	18-Nov, 23:57
	3-5km SE	Recorded	2	Explosion	Impact	N/K	19-Nov, 00:09
	3-5km SE	Recorded	1	Explosion	Airburst	N/K	19-Nov, 00:27
	SMM camera at Donetsk Filtration Station (15km N of Donetsk)	0.5-1km SSW	Recorded	3	Projectile	NW to SE	N/K
1-2km SSW		Recorded	1	Projectile	SW to NE	N/K	18-Nov, 20:41
0.3-0.5km S		Recorded	1	Projectile	W to E	N/K	18-Nov, 21:17
2-4km SSW		Recorded	1	Explosion	Undetermined	N/K	18-Nov, 21:23
0.5-1km S		Recorded	2	Projectile	NNW to SSE	N/K	18-Nov, 22:36
0.8-1km S		Recorded	3	Explosion	Undetermined	N/K	19-Nov, 00:06
1-2km SSW		Recorded	4	Projectile	N to S	N/K	19-Nov, 00:35
2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	19-Nov, 00:44	
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	3-5km SE	Recorded	2	Explosion	Undetermined	N/K	18-Nov, 18:42
	3-5km SE	Recorded	2	Projectile	NNW to SSE	N/K	18-Nov, 19:16
	3-5km SE	Recorded	4	Projectile	NNW to SSE	N/K	18-Nov, 19:27
	3-5km E	Recorded	1	Explosion	Undetermined	N/K	18-Nov, 19:32
	3-5km SE	Recorded	1	Projectile	NNE to SSW	N/K	18-Nov, 19:53
	3-5km SE	Recorded	1	Projectile	WSW to ENE	N/K	18-Nov, 19:53
	2-3km ESE	Recorded	2	Projectile	SSW to NNE	N/K	18-Nov, 21:08
	2-3km ESE	Recorded	4	Projectile	SSW to NNE	N/K	18-Nov, 21:15
SMM camera E of Lomakyne (government-	2-3km ENE	Recorded	1	Projectile	N to S	N/K	18-Nov, 21:06
	2-3km ENE	Recorded	1	Explosion	Airburst	N/K	18-Nov, 21:06
	3-5km ENE	Recorded	14	Projectile	N to S	N/K	18-Nov, 21:59
	3-5km E	Recorded	1	Projectile	S to N	N/K	18-Nov, 21:59

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



controlled, 90km S of Donetsk)	3-5km E	Recorded	1	Explosion	Undetermined	N/K	18-Nov, 21:59
	3-5km ENE	Recorded	4	Projectile	N to S	N/K	18-Nov, 22:00
	3-5km E	Recorded	2	Projectile	N to S	N/K	18-Nov, 22:02
	3-5km E	Recorded	8	Projectile	S to N	N/K	18-Nov, 22:02
	3-5km ENE	Recorded	23	Projectile	N to S	N/K	18-Nov, 22:04
	5-8km ENE	Recorded	1	Explosion	Undetermined	N/K	18-Nov, 23:02
	3-5km E	Recorded	1	Explosion	Undetermined	N/K	18-Nov, 23:03
	3-5km E	Recorded	1	Explosion	Undetermined	N/K	18-Nov, 23:08
	3-5km ENE	Recorded	22	Projectile	N to S	N/K	18-Nov, 23:37
	3-5km ENE	Recorded	3	Explosion	Impact	N/K	18-Nov, 23:48
	3-5km ENE	Recorded	1	Projectile	WNW to ESE	N/K	18-Nov, 23:48
SMM camera in Petrivske (non-government-controlled, 41km S of Donetsk)	1-3km WSW	Recorded	3	Projectile	SSE to NNW (assessed as inside the disengagement area)	N/K	13-Nov, 19:17
	2-3km SSW	Recorded	14	Projectile	WSW to ENE (unable to assess whether inside or outside the disengagement area)	N/K	13-Nov, 21:41
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	3-5km N	Recorded	2	Explosion	Undetermined	N/K	18-Nov, 18:36
	3-5km N	Recorded	1	Explosion	Outgoing	N/K	18-Nov, 18:39
	7-9km N	Recorded	1	Projectile	W to E	N/K	18-Nov, 18:39
	7-9km N	Recorded	1	Explosion	Impact	N/K	18-Nov, 18:39
	7-9km N	Recorded	1	Explosion	Undetermined	N/K	18-Nov, 18:47
	3-5km N	Recorded	4	Projectile	E to W	N/K	18-Nov, 18:51
	3-5km N	Recorded	5	Projectile	SSW to NNE	N/K	18-Nov, 18:53
	3-5km N	Recorded	7	Projectile	E to W	N/K	18-Nov, 18:57
	3-5km N	Recorded	5	Projectile	ESE to WNW	N/K	18-Nov, 19:01
	7-9km N	Recorded	2	Projectile	ESE to WNW	N/K	18-Nov, 19:14
	3-5km N	Recorded	1	Projectile	ESE to WNW	N/K	18-Nov, 19:49
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	18-Nov, 21:06
	3-5km N	Recorded	1	Projectile	W to E	N/K	18-Nov, 21:15
	3-5km N	Recorded	1	Explosion	Impact	N/K	18-Nov, 21:15
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	18-Nov, 21:48
	3-5km N	Recorded	1	Muzzle flash		N/K	18-Nov, 21:48
	3-5km N	Recorded	1	Projectile	ESE to WNW	N/K	18-Nov, 21:48
	3-5km N	Recorded	1	Explosion	Airburst	N/K	18-Nov, 21:48
	3-5km N	Recorded	1	Muzzle flash		N/K	18-Nov, 21:49
	3-5km N	Recorded	1	Projectile	E to W	N/K	18-Nov, 21:49
	3-5km N	Recorded	1	Explosion	Impact	N/K	18-Nov, 21:49
	3-5km N	Recorded	1	Muzzle flash		N/K	18-Nov, 21:50
	3-5km N	Recorded	1	Projectile	E to W	N/K	18-Nov, 21:50
	3-5km N	Recorded	1	Explosion	Airburst	N/K	18-Nov, 21:50
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	18-Nov, 23:06
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	18-Nov, 23:07
	3-5km N	Recorded	3	Explosion	Undetermined	N/K	18-Nov, 23:08
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	18-Nov, 23:09
	3-5km N	Recorded	1	Projectile	E to W	N/K	18-Nov, 23:49
	3-5km N	Recorded	1	Explosion	Impact	N/K	18-Nov, 23:49
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	19-Nov, 00:09
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	19-Nov, 00:38
	3-5km N	Recorded	7	Projectile	W to E	N/K	19-Nov, 00:38
3-5km N	Recorded	1	Projectile	E to W	N/K	19-Nov, 00:39	
3-5km N	Recorded	1	Explosion	Undetermined	N/K	19-Nov, 00:52	
3-5km N	Recorded	1	Projectile	E to W	N/K	19-Nov, 00:52	
3-5km N	Recorded	1	Explosion	Undetermined	N/K	19-Nov, 01:47	

	3-5km N	Recorded	1	Explosion	Undetermined	N/K	19-Nov, 03:55
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	3-5km ESE	Recorded	1	Projectile	WNW to ESE	N/K	19-Nov, 17:24
	4-6km ESE	Recorded	1	Explosion	Impact	N/K	19-Nov, 17:24
	3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	19-Nov, 17:50
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	0.6-0.8km ESE	Heard	3	Shot		Small arms	19-Nov, 09:15-09:40
	0.6-0.8km ESE	Heard	7	Burst		Small arms	19-Nov, 09:15-09:40
	1km ESE	Heard	2	Explosion	Undetermined	N/K	19-Nov, 09:15-09:40
	3-5km NNW	Heard	3	Explosion	Undetermined	N/K	19-Nov, 13:20
	3-5km NNW	Heard	1	Explosion	Undetermined	N/K	19-Nov, 13:28
SW part of Avdiivka (government-controlled, 17km N of Donetsk)	2km NNW	Heard	2	Explosion	Undetermined	N/K	19-Nov, 09:50-09:57
	2km SE	Heard	1	Explosion	Undetermined	N/K	19-Nov, 09:50-09:57
	3-4km S	Heard	1	Explosion	Undetermined	N/K	19-Nov, 10:16
	2-3km S	Heard	1	Explosion	Undetermined	N/K	19-Nov, 11:42
	2-3km S	Heard	4	Burst		HMG	19-Nov, 11:42
About 1.8km N of Petrivske (non-government-controlled, 41km S of Donetsk)	3-5km SSW	Heard	10	Explosion	Undetermined (assessed as inside the disengagement area)	N/K	19-Nov, 09:56-10:06
	3-5km SSW	Heard	12	Explosion	Undetermined (assessed as inside the disengagement area)	N/K	19-Nov, 10:06-10:38
	1.5km SSW	Heard	1	Shot	Assessed as outside the disengagement area.	Small arms	19-Nov, 10:31
	8-12km WNW	Heard	24	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	19-Nov, 10:49-10:58
	1.5-2km S	Heard	7	Burst	Assessed as outside the disengagement area.	Small arms	19-Nov, 11:33
Trudivski area in Petrovskyi district (non-government-controlled, 15km SW of Donetsk city centre)	4-6km NW	Heard	1	Explosion	Undetermined	N/K	19-Nov, 11:22
	1-2km SSW	Heard	5	Burst		HMG	19-Nov, 11:32
Railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km ESE	Heard	36	Shot		HMG	19-Nov, 10:50
	2-3km ESE	Heard	16	Burst		HMG	19-Nov, 10:58
	3-4km SE	Heard	4	Explosion	Undetermined	N/K	19-Nov, 12:00
	3-4km SE	Heard	11	Shot		HMG	19-Nov, 12:04
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km SW	Heard	3	Burst		Small arms	19-Nov, 09:20
	2-3km SW	Heard	5	Burst		Small arms	19-Nov, 09:29
	3-4km SW	Heard	2	Shot		HMG	19-Nov, 09:40
	3-4km SW	Heard	1	Shot		HMG	19-Nov, 09:58

About 1.5km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	3-5km SE	Heard	8	Shot		Small arms	19-Nov, 08:45
	3-5km S	Heard	3	Shot		Small arms	19-Nov, 09:12
	2-5km SSW	Heard	15	Explosion		N/K	19-Nov, 09:53-10:07
	2-5km SSW	Heard	12	Explosion		N/K	19-Nov, 10:09-10:30
	2-5km SSW	Heard	3	Explosion		N/K	19-Nov, 10:29-10:33
	2-5km SSW	Heard	1	Burst		HMG	19-Nov, 10:29-10:33
	2-5km SSW	Heard	5	Explosion		N/K	19-Nov, 10:48-10:55
	5km WNW	Heard	10	Explosion		N/K	19-Nov, 10:55-10:58
2km SW of Pyshechivk (government-controlled, 84km S of Donetsk)	3-5km ESE	Heard	6	Explosion		N/K	19-Nov, 10:50-11:00
	4-6km SSE	Heard	10	Explosion		N/K	19-Nov, 10:22-10:25
	4-6km SSE	Heard	7	Explosion		N/K	19-Nov, 10:34-10:37
	3-5km ESE	Heard	1	Explosion		N/K	19-Nov, 10:34-10:37
	3-5km SSE	Heard	1	Burst		Small arms	19-Nov, 10:34-10:37
	3-5km ESE	Heard	1	Explosion		N/K	19-Nov, 11:05
	3-5km E	Heard	15	Explosion		N/K	19-Nov, 11:25-11:27
	4-6km SSE	Heard	5	Explosion		N/K	19-Nov, 13:40-13:50
	2-4km ESE	Heard	34	Burst		HMG	19-Nov, 14:10-14:15
	2-4km ESE	Heard	19	Burst		HMG	19-Nov, 14:16-14:24
	2-4km ESE	Heard	25	Burst		HMG	19-Nov, 14:24-14:33
Verkhnohyrokiivske (formerly Oktiabr, non-government-controlled, 85km S of Donetsk)	3-5km S	Heard	6	Explosion	Undetermined	N/K	19-Nov, 10:35
About 3km NE of Zaichenko (non-government-controlled, 93km S of Donetsk)	3-4km WSW	Heard	4	Explosion	Undetermined	N/K	19-Nov, 11:16-11:19
	3-4km WSW	Heard	12	Shot		HMG	19-Nov, 11:26-11:28
Svitlodarsk (government-controlled, 57km NE of Donetsk)	4-6km SW	Heard	2	Explosion	Undetermined	N/K	18-Nov, 19:12
	4-6km E	Heard	2	Explosion	Undetermined	N/K	18-Nov, 20:08
	4-6km E	Heard	8	Burst		HMG	18-Nov, 20:08-20:13
	4-6km E	Heard	15	Burst		HMG	18-Nov, 20:34-20:38
	6-8km WSW	Heard	3	Explosion	Undetermined	N/K	18-Nov, 20:38
	4-6km E	Heard	12	Burst		HMG	18-Nov, 20:39-20:47
	2-4km SE	Heard	3	Burst		HMG	18-Nov, 20:49-20:51
	2-4km SE	Heard	2	Burst		HMG	18-Nov, 21:10
	1-2km SSE	Heard	1	Explosion	Undetermined	N/K	18-Nov, 02:14
	4-6km SE	Heard	2	Burst		HMG	18-Nov, 20:15

4-6km SE	Heard	7	Burst		HMG	18-Nov, 21:21-21:26
2-4km SSE	Heard	2	Burst		HMG	18-Nov, 21:28-21:29
2-4km S	Heard	5	Burst		HMG	18-Nov, 21:32-21:33
3-5km SE	Heard	8	Burst		HMG	18-Nov, 21:34-21:36
2-4km S	Heard	6	Burst		HMG	18-Nov, 21:37-21:39
3-5km S	Heard	5	Burst		HMG	18-Nov, 21:42-21:44
2-4km SE	Heard	8	Burst		HMG	18-Nov, 21:45
3-5km SE	Heard	12	Burst		HMG	18-Nov, 21:46
3-5km SE	Heard	1	Explosion	Undetermined	N/K	18-Nov, 21:46
2-3km S	Heard	5	Burst		Small arms	18-Nov, 21:48
3-5km SE	Heard	1	Explosion	Undetermined	N/K	18-Nov, 21:48
3-5km S	Heard	17	Burst		HMG	18-Nov, 21:49-21:50
2-3km SE	Heard	11	Burst		Small arms	18-Nov, 21:52-21:53
4-6km SW	Heard	4	Explosion	Undetermined	N/K	18-Nov, 21:53
3-5km SE	Heard	12	Burst		HMG	18-Nov, 21:54-21:55
3-5km SE	Heard	1	Explosion	Undetermined	N/K	18-Nov, 21:55
3-5km SE	Heard	1	Explosion	Undetermined	N/K	18-Nov, 21:57
2-3km S	Heard	22	Burst		Small arms	18-Nov, 21:58-22:00
5-7km SE	Heard	4	Explosion	Undetermined	N/K	18-Nov, 21:58-22:00
3-5km S	Heard	1	Explosion	Undetermined	N/K	18-Nov, 22:00
2-4km S	Heard	6	Burst		Small arms	18-Nov, 22:01
3-5km SE	Heard	4	Burst		HMG	18-Nov, 22:03
2-4km SE	Heard	7	Burst		Small arms	18-Nov, 22:06
2-3km SE	Heard	2	Burst		Small arms	18-Nov, 22:10
4-6km S	Heard	2	Explosion	Undetermined	N/K	18-Nov, 22:11
2-3km SE	Heard	4	Burst		Small arms	18-Nov, 22:16
3-5km SE	Heard	22	Burst		HMG	18-Nov, 22:18
2-3km SE	Heard	14	Burst		Small arms	18-Nov, 22:19-22:20
3-5km SE	Heard	10	Burst		HMG	18-Nov, 22:21-22:22
2-4km S	Heard	12	Burst		Small arms	18-Nov, 22:25
3-5km SE	Heard	8	Burst		HMG	18-Nov, 22:29
3-5km SE	Heard	13	Burst		HMG	18-Nov, 22:32-22:35
1-3km S	Heard	12	Shot		Small arms	18-Nov, 22:36-22:38
3-6km SE	Heard	4	Explosion	Undetermined	N/K	18-Nov, 22:38
2-3km S	Heard	1	Burst		Small arms	18-Nov, 22:39
4-6km SE	Heard	1	Explosion	Undetermined	N/K	18-Nov, 22:41
2-3km S	Heard	6	Explosion	Undetermined	N/K	18-Nov, 22:42-22:45

	3-5km SE	Heard	32	Burst		HMG	18-Nov, 22:42-22:45
	2-3km S	Heard	1	Explosion	Undetermined	N/K	18-Nov, 22:46
	3-5km SE	Heard	12	Burst		HMG	18-Nov, 22:46
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	18-Nov, 22:54
	3-5km SE	Heard	16	Burst		HMG	18-Nov, 22:57-23:01
	5-7km SE	Heard	1	Explosion	Undetermined	N/K	18-Nov, 23:14
	6-8km SE	Heard	1	Explosion	Undetermined	N/K	18-Nov, 23:33
	2-3km SE	Heard	6	Burst		Small arms	18-Nov, 23:34-23:40
	2-3km SE	Heard	10	Burst		Small arms	18-Nov, 23:50-23:58
	4-6km SW	Heard	4	Explosion	Undetermined	N/K	19-Nov, 10:27-11:00
	4-6km E	Heard	1	Explosion	Undetermined	N/K	19-Nov, 11:11
	4-6km SE	Heard	2	Explosion	Undetermined	N/K	19-Nov, 14:40
	2-4km E	Heard	1	Explosion	Undetermined	N/K	19-Nov, 14:43
	4-6km SE	Heard	1	Explosion	Undetermined	N/K	19-Nov, 15:10
	4-6km SE	Heard	1	Explosion	Undetermined	N/K	19-Nov, 16:03
About 7.5km NW of Horlivka (non-government controlled, 39km NE of Donetsk)	3-4km SSE	Heard	1	Explosion	Undetermined	N/K	19-Nov, 11:15
	3-4km NW	Heard	6	Explosion	Undetermined	N/K	19-Nov, 12:18
	3-4km NW	Heard	42	Burst		Small arms	19-Nov, 12:24-12:26
	1-2km NW	Heard	38	Shot		Small arms	19-Nov, 12:27-12:28
	2-3km NW	Heard	33	Burst		Small arms	19-Nov, 12:30-12:32
	1-2km NW	Heard	7	Burst		Small arms	19-Nov, 12:38
Horlivka (non-government-controlled, 39km NE of Donetsk)	4-5km W	Heard	2	Explosion	Undetermined	N/K	19-Nov, 13:15
	5-7km SW	Heard	5	Explosion	Undetermined	N/K	19-Nov, 17:35-17:36
W edge of Zalizne (government-controlled, 42km NE of Donetsk)	1km S	Heard	1	Explosion	Undetermined	N/K	19-Nov, 09:11
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	2-3km NW	Heard	6	Burst		HMG	19-Nov, 09:12
	2-3km SE	Heard	2	Explosion	Undetermined	N/K	19-Nov, 09:39
	1-2km SE	Heard	Uncountable	Burst		Small arms	19-Nov, 09:38-09:41
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	19-Nov, 10:56
	2-3km SE	Heard	4	Explosion	Undetermined	N/K	19-Nov, 10:58
	1-2km SE	Heard	6	Shot		Small arms	19-Nov, 11:02
	2-4km SE	Heard	3	Explosion	Undetermined	N/K	19-Nov, 13:16
E edge of Kurdiumivka (government-controlled, 54km N of Donetsk)	N/K SSW	Heard	74	Shot		Small arms	19-Nov, 10:30-10:35
	2-4km SSW	Heard	34	Burst		HMG	19-Nov, 11:00-11:20
	2-4km SSW	Heard	1	Explosion		N/K	19-Nov, 11:51
About 1km SSE of Nelipivka (government-controlled, 50km N of Donetsk)	3-4km E	Heard	4	Explosion	Undetermined	N/K	19-Nov, 11:48
SW outskirts of Zolote-4/Rodina (government-controlled, 59km W of Luhansk)	1-2km NNE	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	19-Nov, 13:27

### Map of Donetsk and Luhansk regions<sup>9</sup>



<sup>9</sup> The SMM is deployed to ten locations throughout Ukraine – Kherson, Odessa, Lviv, Ivano-Frankivsk, Kharkiv, Donetsk, Dnipro, Chernivtsi, Luhansk and Kyiv – as per Permanent Council Decision 1117 of 21 March 2014. This map of eastern Ukraine is meant for illustrative purposes and indicates locations mentioned in the report, as well as those where the SMM has offices (monitoring teams, patrol hubs, and forward patrol bases) in Donetsk and Luhansk regions. (In red: a forward patrol base from which SMM staff has temporarily relocated based on recommendations of security experts from participating States as well as SMM security considerations. The SMM uses the premises during daylight hours and patrols in this settlement during daylight hours, as well).