

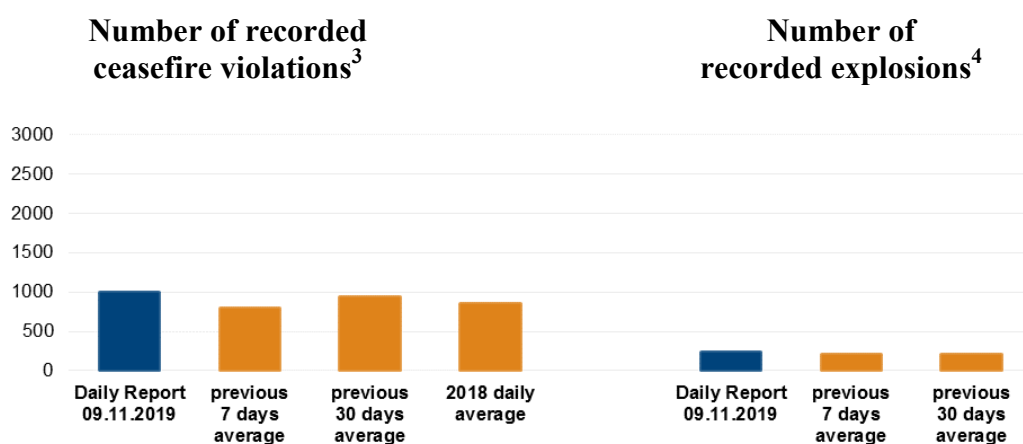
# Daily Report 266/2019

9 November 2019<sup>1</sup>

## Summary

- Compared with the previous reporting period, the SMM recorded fewer ceasefire violations in Donetsk region and more in Luhansk region.
- Small-arms fire was assessed as directed at an SMM mini-unmanned aerial vehicle near non-government-controlled Khrystove.
- The Mission observed demining activities inside 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 weapons in violation of withdrawal lines in government-controlled areas of Donetsk region.
- The Mission continued to facilitate the operation of the Donetsk Filtration Station and monitored adherence to the ceasefire to enable repair works to water pipelines in Zolote-5/Mykhailivka.
- Restrictions of the Mission's freedom of movement continued, including at a checkpoint near non-government-controlled Boikivske.\*

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



<sup>1</sup> Based on information from the Monitoring Teams as of 19:30, 8 November 2019. All times are in Eastern European Time.

<sup>2</sup> For a complete breakdown of ceasefire violations, please see the annexed table. During the reporting period, the SMM camera in Krasnohorivka was not operational and fog limited the observation capabilities of some of the SMM cameras.

<sup>3</sup> Including explosions.

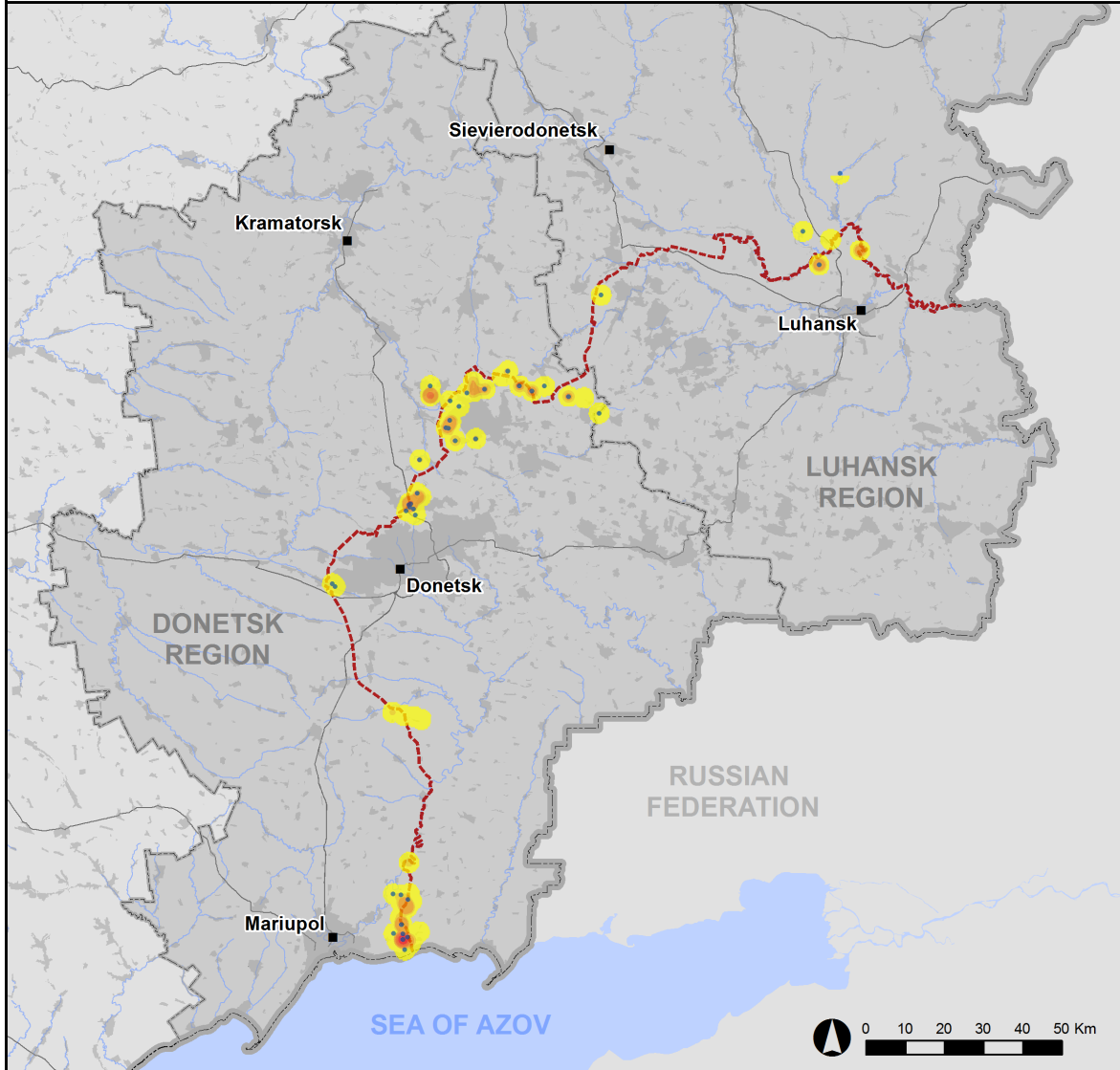
<sup>4</sup> Including from unidentified weapons.

### Map of recorded ceasefire violations

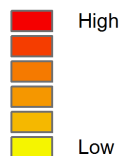


Organization for Security and  
Co-operation in Europe  
Special Monitoring Mission to Ukraine

## Ceasefire violations observed by the SMM 8 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: 09/11/2019

In Donetsk region, the SMM recorded fewer ceasefire violations, including fewer explosions (about 200), compared with the [previous reporting period](#) (about 480 explosions). The majority of the ceasefire violations were recorded in areas north of Shyrokyne (government-controlled, 100km south of Donetsk), in areas between the western outskirts of Horlivka (non-government-controlled, 39km north-east of Donetsk) and of Zalizne (formerly Artemove, government-controlled, 42km north-east of Donetsk) and in areas east and south-east of Hnutove (government-controlled, 90km S of Donetsk). During the night of 7-8 November, the SMM camera at the Donetsk Filtration Station (DFS) recorded about 50 ceasefire violations within a radius of 500m and 14 explosions at an assessed range of 0.5-2km from the camera (see the ceasefire violations table below).

In Luhansk region, the SMM recorded more ceasefire violations, including more explosions (about 40), compared with the [previous reporting period](#) (about ten explosions). The majority of the ceasefire violations, including the majority of explosions, were recorded in areas north-west and south-west of Shchastia (government-controlled, 20km north of Luhansk).

#### **Small-arms fire assessed as directed at SMM mini-unmanned aerial vehicle near Khrystove**

While conducting a mini-unmanned aerial vehicle (UAV) flight 500m west of Khrystove (non-government-controlled, 18km north of Luhansk), the SMM heard 26 shots of small-arms fire at an assessed distance of 2.5km south-east, assessed as aimed at the UAV, which was flying 2.5km south-east of its position. The SMM safely landed the UAV and left the area.\*

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

Inside the **disengagement area near Zolote** (government-controlled, 60km west of Luhansk), about 150m south of its northern edge, the SMM saw 26 deminers from the State Emergency Services (SES) of Ukraine carrying out demining activities with mine detectors from the eastern edge of road T-1316 up to 50m east of the road. The Mission heard two explosions, one about 700m south-east and a second about 250m south-east of the checkpoint of the Ukrainian Armed Forces near the northern edge of the disengagement area, both assessed as controlled detonations of unexploded ordnance (UXO).

On the southern edge of the disengagement area, the SMM observed eight deminers from non-government-controlled areas walking north into the area along road T-1316. About 300-400m north of the area's southern edge, the SMM saw about 15 workers and two deminers from non-government-controlled areas wearing high-visibility vests clearing vegetation from the shoulders of road T-1316 up to 50m east and west of the road.

Outside the disengagement area, at the checkpoint of the armed formations on its southern edge, the Mission saw a pile of mine hazard signs (about 20). It also saw four members of the armed formations (wearing armbands with "JCCC" written on them) checking all vehicles

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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.

traveling from and towards Zolote-5/Mykhailivka (non-government-controlled, 58km west of Luhansk), Molodizhne (non-government-controlled, 63km west of Luhansk) and Pervomaisk (non-government-controlled, 58km west of Luhansk).

Inside the **disengagement area near Stanytsia Luhanska**, the Mission saw at least 15 workers from government-controlled areas cutting and welding iron platforms of the new deck at the broken section of the Stanytsia Luhanska bridge (15km north-east of Luhansk), as well as sandblasting the deck.

The SMM saw three workers from non-government-controlled areas welding panels to the sides of the shelter of an international humanitarian organization south of the bridge. The Mission also saw two members of the armed formations (wearing armbands with “JCCC” written on them) between the broken section of the bridge and the checkpoint of the armed formations. About 200m south of the bridge, west of the road, on the southern bank of the Siverskyi Donets river, the SMM saw pile of debris being burned and heard three explosions in the vicinity of the fire assessed as UXO detonating as a result of the fire.

Outside the **disengagement area near Petrivske** (non-government-controlled, 41km south of Donetsk), in Bohdanivka (government-controlled, 41km south-west of Donetsk) the SMM saw about 30 people, some with microphones and cameras with logos of seven different media organizations. The Mission also saw about 20 people, some with microphones, cameras, and logos of news networks in Petrivske, also outside the disengagement area.

Positioned at two locations near the disengagement area the SMM heard 12 shots of small-arms fire, all assessed as outside the disengagement area but within its 5km periphery. Additionally, while positioned in Petrivske, the SMM observed a non-SMM UAV flying in a westerly direction.

### **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 nine weapons in violation of withdrawal lines in government-controlled areas of Donetsk region. It also observed two weapons beyond withdrawal lines but outside of designated storage sites in government-controlled areas of Donetsk region (for further details, see the tables below).

### **Weapons that the SMM could not verify as withdrawn<sup>6</sup>**

*At two heavy weapons holding areas in government-controlled areas of Donetsk region*

8 November

The SMM noted that:

- a surface-to-air missile system (9K35 *Strela-10*) and four multiple launch rocket systems (BM-21 *Grad*, 122mm) were present; and

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<sup>6</sup> The SMM observed weapons that could not be verified as withdrawn, as their storage did not comply with the criteria set out in the 16 October 2015 notification from the SMM to the signatories of the Package of Measures on effective monitoring and verification of the withdrawal of heavy weapons.

- two surface-to-air missile systems (9K35), 30 multiple launch rocket systems (BM-21) and a self-propelled howitzer (2S1 *Gvozdika*, 122mm) continued to be missing. One self-propelled howitzer (2S1) was missing for the first time.

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

The SMM saw armoured personnel carriers in government-controlled areas and new trench construction in non-government-controlled areas, all in the security zone (for further details, see the table below).

### **Presence of unexploded ordnance near government-controlled Pyshevyk**

The SMM observed for the first time two pieces of UXO, assessed as rocket-propelled grenades (RPG-7), lying on the ground 7m south of a road between Pyshevyk (government-controlled, 84km south of Donetsk) and Verkhnohyrokiyske (formerly Oktiabr, non-government-controlled, 85km south of Donetsk), about 2.5km east of Pyshevyk.

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

The SMM monitored adherence to the ceasefire to facilitate an assessment of and repairs to water pipelines near Zolote-5/Mykhailivka.

The Mission monitored adherence to the ceasefire to allow a transfer of funds, reportedly related to water payments, from non-government-controlled to government-controlled areas in Luhansk region.

The SMM also facilitated the operation of the DFS.

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, 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 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 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 26 October 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.*

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

Denial of access:

- At a checkpoint west of Boikivske (formerly Telmanove, non-government-controlled, 67km south-east of Donetsk), three members (one armed) of the armed formations denied the SMM passage towards Staromarivka (62km south of Donetsk).
- In Boikivske (formerly Telmanove, non-government-controlled, 67km south-east of Donetsk), a member of the armed formations denied the SMM passage towards Zernove (non-government-controlled, 70km south of Donetsk), citing “training in the city”.

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

- The sides continued to deny the SMM full access to disengagement areas near Zolote and Petrivske, 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 and UXO.

Other impediments:

- Positioned about 500m west of Khrystove (non-government-controlled, 18km north of Luhansk), the SMM heard 26 shots of small-arms fire assessed as aimed at its mini-UAV, which it landed safely (see above).

## Table of weapons

### Weapons in violation of the withdrawal lines

Date	No. of weapons	Type of weapon	Location	Source of observation
<b>Government-controlled areas</b>				
08/11/2019	1	Surface-to-air missile system (9K33 <i>Osa</i> )	Ozarianivka (formerly Pershe Travnja, 52km north of Donetsk)	Patrol
	8	Towed howitzer (2A36 <i>Giatsint-B</i> , 152mm)	Bakhmut (formerly Artemivsk, 67km north of Donetsk)	

### 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>				
08/11/2019	2	Tank (T-64B)	In a residential area of Krasne (65km north of Donetsk)	Patrol

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

Date	No. of weapons	Type	Location	Source of observation
<b>Government-controlled areas</b>				
08/11/2019	1	Armoured personnel carrier (BTR variant)	South-eastern edge of Yasnobrodivka (25km north-west of Donetsk)	Patrol
	3	Armoured personnel carrier (BTR-60)	In Karlivka (25km north-west of Donetsk)	
	1	Armoured personnel carrier (BTR-80)	South-western outskirts of Popasna (69km west of Luhansk)	
<b>Non-government-controlled areas</b>				
08/11/2019	1	New trench construction (10-15 members of the armed formations digging new trenches near a checkpoint)	2km north-east of Stepanivka (62km west of Luhansk)	Patrol
	1	Non-SMM UAV	Near Petrivske (41km south of Donetsk)	

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

**Table of ceasefire violations as of 8 November 2019<sup>9</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date and time
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	1-2km SE	Recorded	8	Projectile	NE to SW	N/K	7-Nov, 18:45
	1-2km SE	Recorded	2	Projectile	NE to SW	N/K	8-Nov, 02:25
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	300-500m SSW	Recorded	1	Muzzle flash		N/K	7-Nov, 21:01
	300-800m SSW	Recorded	2	Projectile	WNW to ESE	N/K	7-Nov, 21:01
	0.7-2km S	Recorded	11	Explosion	Undetermined	N/K	7-Nov, 21:19
	0.7-1km S	Recorded	1	Explosion	Undetermined	N/K	7-Nov, 21:42
	300-500m SSW	Recorded	11	Muzzle flash		N/K	7-Nov, 21:42
	2-3km SSW	Recorded	2	Explosion	Undetermined	N/K	7-Nov, 22:16
	0.7-1km SSW	Recorded	1	Projectile	SW to NE	N/K	7-Nov, 22:16
	0.7-1km SSW	Recorded	1	Explosion	Airburst	N/K	7-Nov, 22:16
	300-500m SSW	Recorded	1	Muzzle flash		N/K	7-Nov, 22:20
	300-600m SSW	Recorded	1	Projectile	WNW to ESE	N/K	7-Nov, 22:20
	500-700m SSE	Recorded	1	Explosion	Undetermined	N/K	7-Nov, 22:20
	300-500m SSW	Recorded	33	Muzzle flash		N/K	7-Nov, 22:21
	300-500m SSW	Recorded	5	Muzzle flash		N/K	7-Nov, 22:22
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	7-Nov, 19:24
	3-5km ESE	Recorded	1	Projectile	S to N	N/K	7-Nov, 19:25
	3-5km SE	Recorded	5	Projectile	S to N	N/K	7-Nov, 22:27
	3-5km SE	Recorded	2	Projectile	In vertical flight	N/K	7-Nov, 22:27
	3-5km E	Recorded	4	Projectile	N to S	N/K	7-Nov, 22:32
	3-5km SE	Recorded	8	Projectile	SW to NE	N/K	8-Nov, 01:06
	3-5km SE	Recorded	1	Projectile	SW to NE	N/K	8-Nov, 01:23
	3-5km SE	Recorded	7	Projectile	NE to SW	N/K	8-Nov, 01:39
	3-5km SE	Recorded	2	Projectile	In vertical flight	N/K	8-Nov, 01:42
	4-6km SE	Recorded	7	Projectile	SW to NE	N/K	8-Nov, 02:07
	4-6km SE	Recorded	1	Projectile	NE to SW	N/K	8-Nov, 02:09
	4-6km ESE	Recorded	1	Muzzle flash		N/K	8-Nov, 02:10
	4-6km SE	Recorded	1	Projectile	NE to SW	N/K	8-Nov, 02:10
	4-6km SE	Recorded	3	Projectile	NE to SW	N/K	8-Nov, 02:10
	4-6km SE	Recorded	5	Projectile	SW to NE	N/K	8-Nov, 03:07
	4-6km ESE	Recorded	1	Projectile	S to N	N/K	8-Nov, 03:23
	4-6km SE	Recorded	1	Projectile	SW to NE	N/K	8-Nov, 03:54
	4-6km SE	Recorded	2	Projectile	SW to NE	N/K	8-Nov, 04:34
	4-6km SE	Recorded	4	Projectile	SW to NE	N/K	8-Nov, 04:36
	4-6km SE	Recorded	7	Projectile	SW to NE	N/K	8-Nov, 04:40
4-6km SE	Recorded	1	Projectile	SW to NE	N/K	8-Nov, 04:41	
4-6km ESE	Recorded	1	Projectile	In vertical flight	N/K	8-Nov, 04:46	
4-6km SE	Recorded	2	Projectile	SW to NE	N/K	8-Nov, 04:47	

<sup>9</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.



SMM camera E of Lomakyne (government-controlled, 90km S of Donetsk)	4-6km E	Recorded	1	Explosion	Undetermined	N/K	7-Nov, 22:44
	4-6km E	Recorded	2	Explosion	Undetermined	N/K	7-Nov, 22:50
	4-6km E	Recorded	1	Muzzle flash		N/K	7-Nov, 23:09
	4-6km E	Recorded	1	Explosion	Undetermined	N/K	7-Nov, 23:14
	4-6km E	Recorded	1	Muzzle flash		N/K	7-Nov, 23:18
	4-6km E	Recorded	1	Projectile	N to S	N/K	7-Nov, 23:18
	4-6km E	Recorded	1	Explosion	Undetermined	N/K	7-Nov, 23:18
	4-6km E	Recorded	3	Projectile	N to S	N/K	7-Nov, 23:21
	4-6km E	Recorded	2	Muzzle flash		N/K	7-Nov, 23:21
	4-6km E	Recorded	1	Explosion	Undetermined	N/K	7-Nov, 23:22
	4-6km E	Recorded	1	Projectile	N to S	N/K	7-Nov, 23:22
	4-6km E	Recorded	2	Muzzle flash		N/K	7-Nov, 23:22
	4-6km E	Recorded	2	Projectile	N to S	N/K	7-Nov, 23:23
	4-6km E	Recorded	1	Projectile	S to N	N/K	7-Nov, 23:23
	4-6km E	Recorded	1	Explosion	Undetermined	N/K	7-Nov, 23:23
	4-6km E	Recorded	2	Muzzle flash		N/K	7-Nov, 23:23
	4-6km E	Recorded	3	Muzzle flash		N/K	7-Nov, 23:24
	4-6km E	Recorded	2	Projectile	N to S	N/K	7-Nov, 23:25
	4-6km E	Recorded	1	Projectile	N to S	N/K	7-Nov, 23:26
	4-6km E	Recorded	1	Muzzle flash		N/K	7-Nov, 23:26
	4-6km E	Recorded	1	Illumination flare	In vertical flight	N/K	7-Nov, 23:27
	4-6km E	Recorded	1	Explosion	Undetermined	N/K	7-Nov, 23:29
	4-6km ENE	Recorded	1	Projectile	SW to NE	N/K	7-Nov, 23:30
	4-6km ENE	Recorded	1	Muzzle flash		N/K	7-Nov, 23:30
	4-6km ENE	Recorded	2	Projectile	WNW to ESE	N/K	7-Nov, 23:31
	4-6km ENE	Recorded	1	Projectile	N to S	N/K	7-Nov, 23:31
	4-6km E	Recorded	1	Illumination flare	In vertical flight	N/K	7-Nov, 23:31
	4-6km E	Recorded	1	Explosion	Undetermined	N/K	7-Nov, 23:31
	4-6km ENE	Recorded	1	Projectile	N to S	N/K	7-Nov, 23:35
	4-6km E	Recorded	1	Muzzle flash		N/K	7-Nov, 23:36
4-6km E	Recorded	4	Projectile	N to S	N/K	7-Nov, 23:37	
4-6km ENE	Recorded	4	Projectile	N to S	N/K	7-Nov, 23:38	
4-6km E	Recorded	1	Explosion	Undetermined	N/K	7-Nov, 23:39	
4-6km E	Recorded	1	Illumination flare	In vertical flight	N/K	7-Nov, 23:40	
4-6km E	Recorded	1	Illumination flare	In vertical flight	N/K	7-Nov, 23:44	
4-6km E	Recorded	1	Explosion	Undetermined	N/K	7-Nov, 23:45	
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-5km ENE	Recorded	6	Projectile	N to S	N/K	7-Nov, 23:13
	2-5km ENE	Recorded	8	Projectile	N to S	N/K	7-Nov, 23:14
SMM camera in Petrivske (non-government-controlled, 41km S of Donetsk)	0.5-1km NNE	Recorded	1	Muzzle flash	Assessed as outside the disengagement area	N/K	25-Oct, 22:15
SMM camera 1km SW of	3-5km N	Recorded	1	Projectile	W to E	N/K	7-Nov, 18:15
	3-5km N	Recorded	1	Muzzle flash		N/K	7-Nov, 18:15

Shyrokyne (government-controlled, 100km S of Donetsk)	3-5km N	Recorded	1	Projectile	W to E	N/K	7-Nov, 18:15
	3-5km N	Recorded	8	Projectile	W to E	N/K	7-Nov, 18:16
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	7-Nov, 18:16
	3-5km N	Recorded	7	Projectile	W to E	N/K	7-Nov, 18:17
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	7-Nov, 18:17
	3-5km N	Recorded	3	Projectile	W to E	N/K	7-Nov, 18:18
	3-5km N	Recorded	7	Projectile	W to E	N/K	7-Nov, 18:19
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	7-Nov, 18:19
	3-5km N	Recorded	2	Projectile	W to E	N/K	7-Nov, 18:20
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	7-Nov, 18:20
	1-3km NNE	Recorded	2	Projectile	E to W	N/K	7-Nov, 18:22
	3-5km N	Recorded	2	Projectile	W to E	N/K	7-Nov, 18:31
	3-5km N	Recorded	4	Projectile	E to W	N/K	7-Nov, 18:31
	3-5km N	Recorded	4	Projectile	W to E	N/K	7-Nov, 18:32
	3-5km N	Recorded	2	Projectile	In vertical flight	N/K	7-Nov, 18:32
	3-5km N	Recorded	3	Explosion	Undetermined	N/K	7-Nov, 18:33
	3-5km N	Recorded	2	Projectile	E to W	N/K	7-Nov, 18:34
	3-5km N	Recorded	3	Explosion	Undetermined	N/K	7-Nov, 18:38
	3-5km N	Recorded	1	Projectile	E to W	N/K	7-Nov, 18:38
	3-5km N	Recorded	1	Muzzle flash		N/K	7-Nov, 18:46
	3-5km N	Recorded	2	Projectile	E to W	N/K	7-Nov, 18:46
	3-5km N	Recorded	33	Projectile	W to E	N/K	7-Nov, 18:47
	3-5km N	Recorded	1	Projectile	W to E	N/K	7-Nov, 18:47
	3-5km N	Recorded	1	Explosion	Impact	N/K	7-Nov, 18:47
	3-5km N	Recorded	9	Projectile	W to E	N/K	7-Nov, 18:49
	3-5km N	Recorded	3	Explosion	Undetermined	N/K	7-Nov, 19:03
	3-5km N	Recorded	3	Projectile	W to E	N/K	7-Nov, 19:03
	3-5km N	Recorded	3	Projectile	W to E	N/K	7-Nov, 19:04
	3-5km N	Recorded	4	Explosion	Undetermined	N/K	7-Nov, 19:04
	3-5km N	Recorded	3	Explosion	Undetermined	N/K	7-Nov, 19:05
	3-5km N	Recorded	2	Projectile	W to E	N/K	7-Nov, 19:06
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	7-Nov, 19:06
	3-5km N	Recorded	5	Explosion	Undetermined	N/K	7-Nov, 19:07
	3-5km N	Recorded	1	Projectile	W to E	N/K	7-Nov, 19:08
	3-5km N	Recorded	4	Explosion	Undetermined	N/K	7-Nov, 19:08
	3-5km NNE	Recorded	3	Projectile	W to E	N/K	7-Nov, 19:09
	3-5km N	Recorded	1	Muzzle flash		N/K	7-Nov, 19:09
	3-5km N	Recorded	1	Projectile	W to E	N/K	7-Nov, 19:10
	3-5km N	Recorded	9	Projectile	W to E	N/K	7-Nov, 19:11
	3-5km N	Recorded	1	Projectile	SW to NE	N/K	7-Nov, 19:11
	3-5km N	Recorded	3	Projectile	W to E	N/K	7-Nov, 19:12
	3-5km N	Recorded	1	Projectile	W to E	N/K	7-Nov, 19:13
3-5km N	Recorded	1	Explosion	Undetermined	N/K	7-Nov, 19:13	
3-5km NNE	Recorded	2	Projectile	W to E	N/K	7-Nov, 19:14	
3-5km NNE	Recorded	1	Projectile	E to W	N/K	7-Nov, 19:16	
3-5km N	Recorded	3	Explosion	Undetermined	N/K	7-Nov, 19:17	
3-5km N	Recorded	6	Projectile	E to W	N/K	7-Nov, 19:17	
3-5km N	Recorded	3	Projectile	W to E	N/K	7-Nov, 19:17	
3-5km N	Recorded	10	Projectile	W to E	N/K	7-Nov, 19:18	
3-5km NNE	Recorded	2	Projectile	W to E	N/K	7-Nov, 19:18	
3-5km N	Recorded	6	Projectile	W to E	N/K	7-Nov, 19:19	

3-5km N	Recorded	2	Explosion	Undetermined	N/K	7-Nov, 19:20
3-5km N	Recorded	1	Explosion	Undetermined	N/K	7-Nov, 19:22
3-5km N	Recorded	1	Projectile	W to E	N/K	7-Nov, 19:22
3-5km N	Recorded	1	Projectile	E to W	N/K	7-Nov, 19:22
3-5km N	Recorded	2	Explosion	Undetermined	N/K	7-Nov, 19:22
3-5km N	Recorded	1	Projectile	W to E	N/K	7-Nov, 19:25
3-5km N	Recorded	3	Projectile	W to E	N/K	7-Nov, 19:26
3-5km N	Recorded	2	Explosion	Undetermined	N/K	7-Nov, 19:29
3-5km N	Recorded	1	Projectile	E to W	N/K	7-Nov, 19:29
3-5km N	Recorded	2	Projectile	W to E	N/K	7-Nov, 19:33
3-5km N	Recorded	2	Projectile	W to E	N/K	7-Nov, 19:41
3-5km N	Recorded	1	Projectile	W to E	N/K	7-Nov, 19:41
3-5km N	Recorded	2	Projectile	W to E	N/K	7-Nov, 19:42
3-5km N	Recorded	2	Projectile	E to W	N/K	7-Nov, 19:42
3-5km NNE	Recorded	4	Projectile	SW to NE	N/K	7-Nov, 20:24
1-2km NNE	Recorded	2	Explosion	Undetermined	N/K	7-Nov, 20:24
3-5km NNE	Recorded	5	Projectile	W to E	N/K	7-Nov, 20:27
3-5km N	Recorded	1	Projectile	E to W	N/K	7-Nov, 20:53
3-5km N	Recorded	2	Projectile	W to E	N/K	7-Nov, 20:57
3-5km N	Recorded	1	Projectile	S to N	N/K	7-Nov, 20:57
3-5km N	Recorded	7	Projectile	SW to NE	N/K	7-Nov, 20:58
3-5km N	Recorded	1	Explosion	Undetermined	N/K	7-Nov, 21:12
3-5km N	Recorded	4	Projectile	S to N	N/K	7-Nov, 21:31
3-5km N	Recorded	4	Projectile	S to N	N/K	7-Nov, 21:33
3-5km N	Recorded	2	Projectile	W to E	N/K	7-Nov, 21:33
3-5km N	Recorded	1	Projectile	S to N	N/K	7-Nov, 22:17
3-5km N	Recorded	2	Projectile	S to N	N/K	7-Nov, 22:18
3-5km NNE	Recorded	1	Projectile	W to E	N/K	7-Nov, 22:25
3-5km NNE	Recorded	1	Projectile	W to E	N/K	7-Nov, 22:26
3-5km N	Recorded	3	Projectile	S to N	N/K	7-Nov, 22:33
3-5km N	Recorded	5	Projectile	W to E	N/K	7-Nov, 22:34
3-5km N	Recorded	1	Muzzle flash		N/K	7-Nov, 23:11
3-5km N	Recorded	1	Projectile	SW to NE	N/K	7-Nov, 23:11
3-5km N	Recorded	1	Projectile	SW to NE	N/K	7-Nov, 23:12
3-5km N	Recorded	1	Projectile	W to E	N/K	7-Nov, 23:12
3-5km N	Recorded	1	Explosion	Undetermined	N/K	7-Nov, 23:12
3-5km N	Recorded	2	Projectile	S to N	N/K	7-Nov, 23:13
3-5km N	Recorded	1	Projectile	W to E	N/K	7-Nov, 23:14
3-5km N	Recorded	1	Projectile	SW to NE	N/K	7-Nov, 23:18
3-5km N	Recorded	1	Muzzle flash		N/K	7-Nov, 23:21
3-5km N	Recorded	1	Projectile	W to E	N/K	7-Nov, 23:21
3-5km N	Recorded	3	Projectile	W to E	N/K	7-Nov, 23:21
3-5km N	Recorded	1	Projectile	S to N	N/K	7-Nov, 23:21
5-7km NNW	Recorded	2	Explosion	Undetermined	N/K	7-Nov, 23:22
3-5km N	Recorded	2	Projectile	W to E	N/K	7-Nov, 23:23
3-5km N	Recorded	1	Projectile	SW to NE	N/K	7-Nov, 23:24
3-5km N	Recorded	1	Projectile	S to N	N/K	7-Nov, 23:25
3-5km N	Recorded	1	Projectile	S to N	N/K	7-Nov, 23:36
3-5km N	Recorded	2	Projectile	SW to NE	N/K	7-Nov, 23:37
3-5km N	Recorded	1	Projectile	S to N	N/K	7-Nov, 23:38
4-7km N	Recorded	2	Explosion	Undetermined	N/K	7-Nov, 23:40

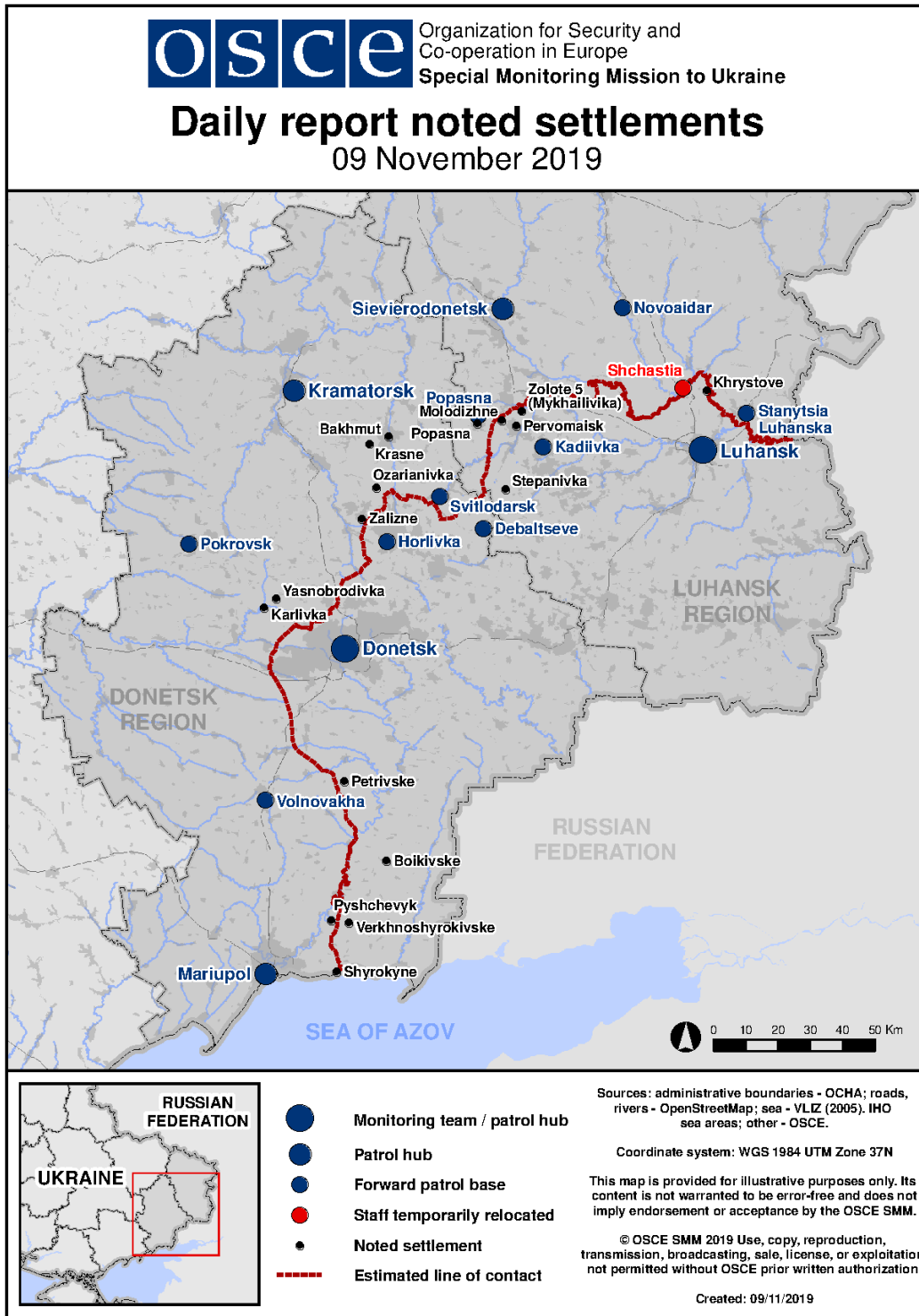
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	7-Nov, 23:44
	3-5km N	Recorded	4	Projectile	SW to NE	N/K	8-Nov, 00:00
	3-5km N	Recorded	4	Projectile	SW to NE	N/K	8-Nov, 00:10
	3-5km N	Recorded	1	Projectile	W to E	N/K	8-Nov, 00:28
	3-5km N	Recorded	4	Projectile	W to E	N/K	8-Nov, 00:30
	3-5km N	Recorded	2	Projectile	SW to NE	N/K	8-Nov, 00:31
	3-5km NNW	Recorded	1	Projectile	W to E	N/K	8-Nov, 00:31
	3-5km NNE	Recorded	4	Projectile	SE to NW	N/K	8-Nov, 00:33
	3-5km N	Recorded	11	Projectile	W to E	N/K	8-Nov, 01:07
	3-5km N	Recorded	17	Projectile	SW to NE	N/K	8-Nov, 01:09
	3-5km N	Recorded	1	Projectile	SW to NE	N/K	8-Nov, 01:40
	3-5km N	Recorded	1	Projectile	SW to NE	N/K	8-Nov, 01:41
	3-5km N	Recorded	1	Projectile	SW to NE	N/K	8-Nov, 01:43
	3-5km N	Recorded	2	Projectile	SW to NE	N/K	8-Nov, 01:44
	3-5km N	Recorded	3	Projectile	SW to NE	N/K	8-Nov, 02:03
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	8-Nov, 02:03
	3-5km N	Recorded	3	Muzzle flash		N/K	8-Nov, 02:05
	3-5km N	Recorded	3	Projectile	SW to NE	N/K	8-Nov, 02:05
	3-5km N	Recorded	7	Projectile	SW to NE	N/K	8-Nov, 02:07
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	8-Nov, 02:07
	3-5km N	Recorded	2	Projectile	S to N	N/K	8-Nov, 02:08
	3-5km N	Recorded	2	Projectile	SE to NW	N/K	8-Nov, 02:15
Debaltseve (non-government-controlled, 58km NE of Donetsk)	5-7km NW	Heard	17	Explosion	Undetermined	N/K	7-Nov, 16:04-16:35
	5-7km NW	Heard	1	Explosion	Undetermined	N/K	7-Nov, 17:00
NW part of Novohryhorivka (non-government-controlled, 61km NE of Donetsk)	3-5km SE	Heard	1	Explosion	Undetermined	N/K	8-Nov, 09:28
	1-2km NW	Heard	3	Shot		Small arms	8-Nov, 09:47-09:54
Oleksandrivka (non-government-controlled, 20km SW of Donetsk)	2-4km NW	Heard	1	Explosion	Undetermined	N/K	8-Nov, 09:00
	2km NW	Heard	2	Explosion	Undetermined	N/K	8-Nov, 09:15
About 1km N of the railway station in Yasnuvata (non-government-controlled, 16km NE of Donetsk)	1-2km NNW	Heard	20	Shot		Small arms	8-Nov, 12:50
	1-2km NNW	Heard	2	Burst		Small arms	8-Nov, 12:50
	2-3km NNW	Heard	1	Explosion	Undetermined	N/K	8-Nov, 12:50
	1-2km N	Heard	1	Shot		Small arms	8-Nov, 13:00
	1-2km N	Heard	1	Burst		Small arms	8-Nov, 13:00
	1-2km W	Heard	7	Burst		Small arms	8-Nov, 13:25
	3-4km SSW	Heard	1	Explosion	Undetermined	N/K	8-Nov, 13:40
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	8-Nov, 13:50
	1-2km NW	Heard	4	Shot		Small arms	8-Nov, 13:53
About 2km N of Petrivske (non-	1-3km SE	Heard	1	Shot	Assessed as outside the	Small arms	8-Nov, 10:15

government-controlled, 41km S of Donetsk)					disengagement area		
	1-3km SE	Heard	1	Shot	Assessed as outside the disengagement area	Small arms	8-Nov, 11:35
About 2km NE of Bohdanivka (government-controlled, 41km SW of Donetsk)	1-2km NE	Heard	2	Shot	Assessed as outside the Petrivske disengagement area	Small arms	8-Nov, 09:09-09:11
	2-3km NW	Heard	8	Shot	Assessed as outside the Petrivske disengagement area	Small arms	8-Nov, 09:09-09:11
About 2km SW of Pyshevyk (government-controlled, 84km S of Donetsk)	N/K SE	Heard	3	Explosion	Undetermined	N/K	8-Nov, 09:35-09:45
	N/K SE	Heard	1	Burst		Small arms	8-Nov, 09:35-09:45
	2-3km SE	Heard	6	Shot		Small arms	8-Nov, 10:25
About 1km N of Pyshevyk (government-controlled, 84km S of Donetsk)	2-3km S	Heard	5	Explosion	Undetermined	N/K	8-Nov, 10:45
N part of Sakhanka (non-government-controlled, 97km south of Donetsk)	0.6-1km W	Heard	2	Shot		Small arms	8-Nov, 13:10-13:14
	2-3km W	Heard	2	Explosion	Undetermined	N/K	8-Nov, 13:13
	2-3km SW	Heard	1	Shot		Small arms	8-Nov, 13:19
About 1km N of Azov (formerly Dzerzhynske, non-government-controlled, 96km south of Donetsk)	2-3km S	Heard	1	Burst		HMG	8-Nov, 13:48
Svitlodarsk (government-controlled, 57km NE of Donetsk)	4-5km S	Heard	19	Burst		HMG	7-Nov, 20:00-20:05
	4-5km S	Heard	1	Explosion	Undetermined	N/K	7-Nov, 23:44
	4-5km S	Heard	1	Explosion	Undetermined	N/K	8-Nov, 14:07
	4-5km S	Heard	1	Explosion	Undetermined	N/K	8-Nov, 14:10
	4-5km SE	Heard	2	Explosion	Undetermined	N/K	8-Nov, 14:23-14:26
	4-5km SW	Heard	4	Explosion	Undetermined	N/K	8-Nov, 14:43-14:47
	4-5km SW	Heard	3	Explosion	Undetermined	N/K	8-Nov, 15:05-15:09
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	8-Nov, 15:49
	4-5km SW	Heard	12	Burst		HMG	8-Nov, 16:16-16:21
Horlivka (non-government-controlled, 39km NE of Donetsk)	4-6km WNW	Heard	4	Explosion	Undetermined	N/K	7-Nov, 22:26-22:30
	5-6km W	Heard	3	Explosion	Undetermined	N/K	8-Nov, 11:05
	5-6km W	Heard	4	Explosion	Undetermined	N/K	8-Nov, 11:12-11:13
	5-6km W	Heard	4	Explosion	Undetermined	N/K	8-Nov, 11:45

	4-5km SW	Heard	4	Explosion	Undetermined	N/K	8-Nov, 12:22
	4-6km W	Heard	2	Explosion	Undetermined	N/K	8-Nov, 16:40-16:41
	4-6km W	Heard	3	Burst		HMG	8-Nov, 16:41
	4-5km SW	Heard	3	Explosion	Undetermined	N/K	8-Nov, 16:42
	4-5km SW	Heard	6	Burst		HMG	8-Nov, 16:45-16:46
	4-6km W	Heard	2	Explosion	Undetermined	N/K	8-Nov, 16:47
	4-6km W	Heard	6	Burst		HMG	8-Nov, 16:48-16:50
	4-6km W	Heard	2	Explosion	Undetermined	N/K	8-Nov, 16:50
NW edge of Horlivka (non-government controlled, 39km NE of Donetsk)	1-2km W	Heard	6	Burst		HMG	8-Nov, 13:15
	1-2km W	Heard	20	Shot		Small arms	8-Nov, 13:15
N edge of Horlivka (non-government-controlled, 39 km NE of Donetsk)	2-3km N	Heard	15	Shot		Small arms	8-Nov, 09:14
	2-3km N	Heard	3	Burst		HMG	8-Nov, 09:14
	5-7km W	Heard	1	Explosion	Undetermined	N/K	8-Nov, 09:19
	4-6km NW	Heard	3	Explosion	Undetermined	N/K	8-Nov, 11:24
	5-6km W	Heard	1	Explosion	Undetermined	N/K	8-Nov, 11:27
E edge of Zalizne (formerly Artemove, government-controlled, 42km NE of Donetsk)	3-5km N	Heard	2	Explosion	Undetermined	N/K	8-Nov, 10:40-11:06
	1-2km N	Heard	20	Burst		HMG	8-Nov, 10:40-11:06
	1-2km N	Heard	60	Shots and bursts		Small arms	8-Nov, 10:40-11:06
Fedorivka (non-government-controlled, 34km NE of Donetsk)	2-3km NNW	Heard	4	Explosion	Undetermined	N/K	8-Nov, 11:20
	2-3km NNW	Heard	4	Explosion	Undetermined	N/K	8-Nov, 11:45
About 4km SE of Holmivskiyi (non-government-controlled, 49km NE of Donetsk)	3-5km NW	Heard	6	Explosion	Undetermined	N/K	8-Nov, 11:44-11:48
	3-5km NW	Heard	3	Burst		HMG	8-Nov, 11:44-11:48
	3-5km NW	Heard	8	Shot		Small arms	8-Nov, 11:44-11:48
Holmivskiyi (non-government-controlled, 49km NE of Donetsk)	2-4km NE	Heard	2	Burst		HMG	8-Nov, 12:15
	4-6km NE	Heard	8	Explosion	Undetermined	N/K	8-Nov, 12:21-12:22
Troitske (government-controlled, 30km N of Donetsk)	3-5km SSW	Heard	8	Explosion	Undetermined	N/K	8-Nov, 11:24-11:46
About 3km E of Vesela Hora (non-government-controlled, 16km N of Luhansk)	20km N	Heard	4	Explosion	Undetermined	N/K	8-Nov, 11:25-11:27
Shchastia	6-8km WNW	Heard	4	Explosion	Undetermined	N/K	8-Nov, 11:06-

(government-controlled, 20km N of Luhansk)							11:09
	6-8km SSW	Heard	30	Explosion	Undetermined	N/K	8-Nov, 11:30-11:43
	6-8km SSW	Heard	3	Explosion	Undetermined	N/K	8-Nov, 11:48-11:51
	200-250m E	Heard	1	Shot		Small arms	8-Nov, 11:51
500m NW of Khrystove (non-government-controlled, 18km N of Luhansk)	2-3km SE	Heard	26	Shot	Assessed as aimed at a SMM mini-UAV	Small arms	8-Nov, 11:56-11:58
3km N of Pervomaisk (non-government-controlled, 64km W of Luhansk)	6-8km SW	Heard	2	Explosion	Undetermined	N/K	8-Nov, 13:58

### 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 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).