

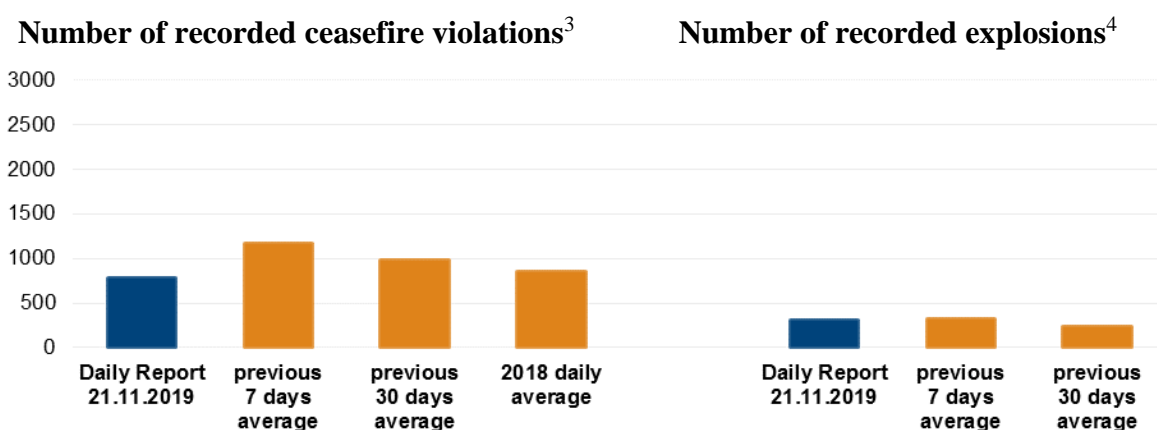
# Daily Report 276/2019

21 November 2019<sup>1</sup>

## Summary

- Compared with the previous reporting period, the SMM recorded fewer ceasefire violations in Donetsk region and no ceasefire violations in Luhansk region.
- The construction work at Stanytsia Luhanska Bridge was finalized; civilians started walking over the new section of the bridge while travelling towards government-controlled areas and in the opposite direction.
- The SMM received a Note Verbale from the Ministry of Foreign Affairs of Ukraine and a notification from the armed formations about the completion of demining activities inside the Petrivske disengagement area.
- The SMM continued to monitor the security situation inside and near the Zolote disengagement area.
- The SMM monitored adherence to the ceasefire to facilitate repair works to power lines near non-government-controlled Spartak, in Donetsk region.
- Restrictions of the SMM's freedom of movement continued, including at checkpoints of the armed formations near Shevchenko and Verkhnohyrokiivske.\*

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



<sup>1</sup> Based on information from the Monitoring Teams as of 19:30, 20 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.

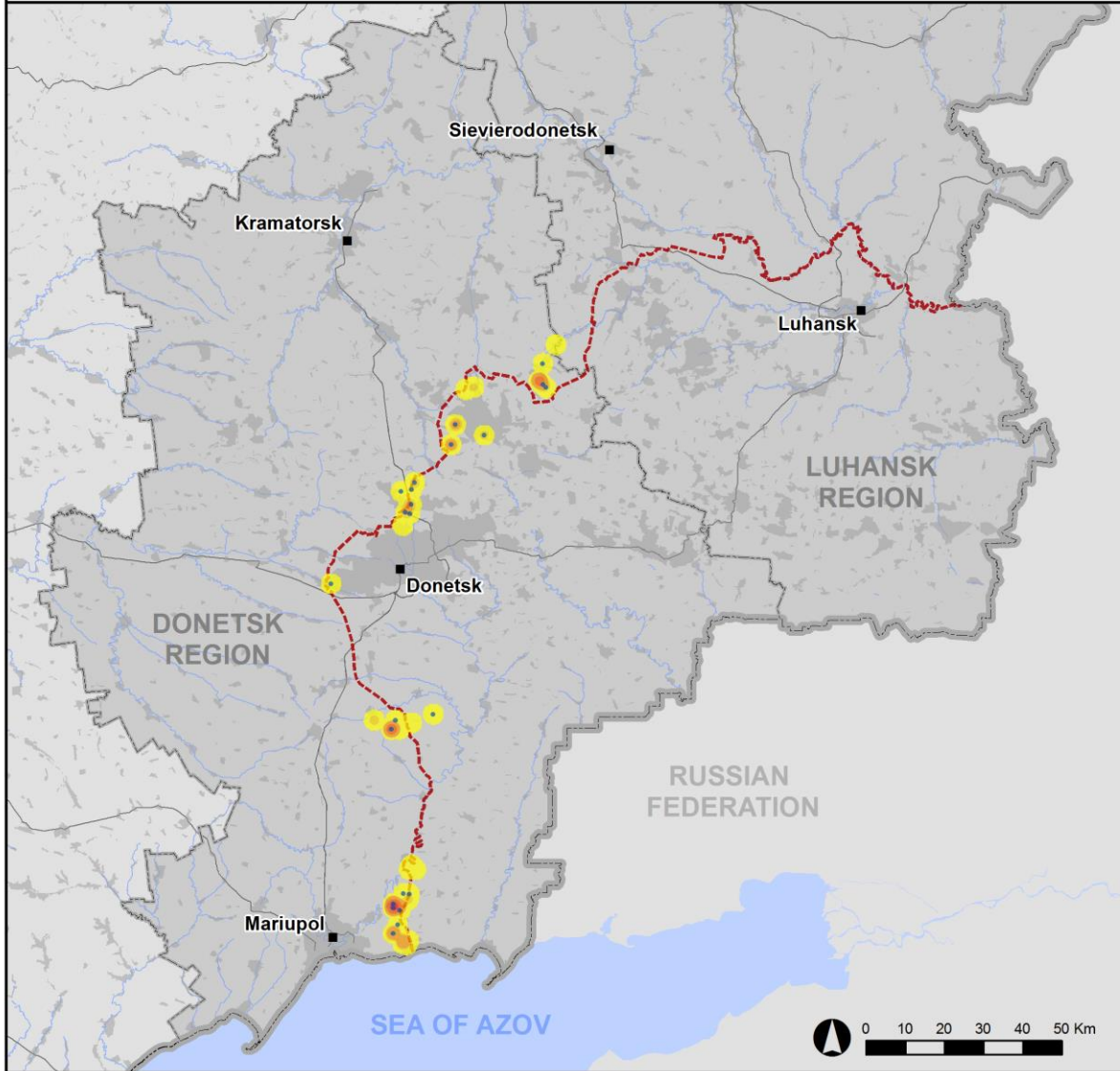
<sup>4</sup> Including from unidentified weapons.

### Map of recorded ceasefire violations

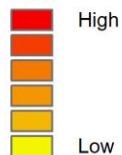


Organization for Security and  
Co-operation in Europe  
Special Monitoring Mission to Ukraine

## Ceasefire violations observed by the SMM 20 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: 21/11/2019

In Donetsk region, the SMM recorded fewer ceasefire violations, including, however, a similar number of explosions (about 300), compared with the [previous reporting period](#). The majority of ceasefire violations, including the majority of explosions, were recorded in areas south-east of Svitlodarsk (government-controlled, 57km north-east of Donetsk), south-east and south-south-east of Pyshevyk (government-controlled, 84km south of Donetsk), as well as at south-westerly directions of Bohdanivka (government-controlled, 41km south-west of Donetsk), close to the disengagement area near Petrivske (non-government-controlled, 41km south of Donetsk).

In Luhansk region, the SMM recorded no ceasefire violations. During the [previous reporting period](#), the SMM recorded one explosion.

### **Construction work at Stanytsia Luhanska Bridge finishes and new section opens for civilian crossings**

On 20 November, inside **the disengagement area near Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk), the SMM saw the President of Ukraine and 40 representatives of media outlets arriving at Stanytsia Luhanska and walking to the northern edge of the newly constructed section of the bridge. Afterwards, at 15:42, workers from government-controlled areas removed the fences and people starting walking over the aforementioned section. Part of the bridge was destroyed during the conflict in 2015. Since then, people have had to walk over temporary steep wooden ramps in all weather conditions. This crossing has been particularly difficult for the elderly and for people with disabilities.

In the morning of 20 November, between the southern edge of the newly constructed section of the bridge and the checkpoint of the armed formations, the SMM observed at least seven members of the armed formations (wearing armbands with “JCCC” written on them). The SMM saw also senior members of the armed formations together with about 15 representatives of media outlets standing at the southern edge of the aforementioned section of the bridge.

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

On 20 November, positioned about 2km north of **Petrivske**, the SMM heard three bursts of heavy-machine-gun fire 2-3km south-south-west (assessed as inside the Petrivske disengagement area).

On the same day, positioned in Bohdanivka, the SMM saw about 20 members of the State Emergency Service of Ukraine near the Petrivske disengagement area. A Ukrainian Armed Forces officer of the Joint Centre for Control and Co-ordination (JCCC) told the SMM that demining activities inside the area had been completed. Later that day, the SMM received a Note Verbale from the Ministry of Foreign Affairs of Ukraine informing the SMM about the completion of demining activities in certain areas inside the Petrivske disengagement area, as well as the removal of barriers, the clearance of the area from mines and other explosive ordnance and the fencing-off of additional areas assessed as to be contaminated with explosive ordnance. The SMM also received a letter from the armed formations informing the SMM about the completion of basic demining activities, a thorough inspection of the area and

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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.

adjacent territories, as well as the fencing-off of areas assessed to be contaminated with unexploded ordnance (UXO).

Positioned in Bohdanivka, the SMM heard ten undetermined explosions and about 115 shots and bursts of heavy-machine-gun and (30mm) cannon fire, most of which were assessed as at a range of 2-3km south-south-east, south-east and south-south-west, and all as outside the disengagement area.

On 19 November, the SMM saw two Ukrainian Armed Forces personnel cutting wood inside a military position on the northern edge of the **disengagement area near Zolote** (government-controlled, 60km west of Luhansk) (see [SMM Daily Report 28 October 2019](#)). On the same day, the SMM saw a military truck exiting the disengagement area from the direction of Katerynivka (government-controlled, 64km west of Luhansk), as well as Ukrainian Armed Forces personnel continuing building defensive positions outside the disengagement area, south of Zolote-4/Rodina (government-controlled, 69km west of Luhansk) (see [SMM Daily Report 20 November 2019](#)).

On 20 November, positioned on the southern edge of the disengagement area, the SMM saw seven members of the armed formations and 17 workers from non-government-controlled areas entering the area. Positioned at the same location, the SMM heard three explosions 1-2km north, assessed as being controlled detonations; it also saw a non-SMM unmanned aerial vehicle flying at an altitude of 50-60m in a southerly direction and turning over the checkpoint of the armed formations before heading north.

### 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 a weapon in violation of the withdrawal lines in a government-controlled area of Donetsk region. It observed 47 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 storage sites

19 November

*At permanent storage sites in government-controlled areas of Donetsk region*

The SMM noted that 151 tanks (139 T-64 and 12 T-80), seven towed guns (D-44, 85mm) and 20 mortars (ten 2B9 *Vasilek*, 82mm; four M120-15 *Molot*, 120mm; and six PM-38, 120mm) continued to be missing.

20 November

*At a permanent storage site in a non-government-controlled area of Donetsk region*

The SMM noted that 11 tanks (T-64) continued to be missing.

*At a permanent storage site in a non-government-controlled area of Luhansk region*

The SMM noted that all weapons were present.

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

The SMM observed military presence inside the security zone in government-controlled areas of Luhansk and Donetsk regions, as well as in non-government-controlled areas of Donetsk region, including infantry fighting vehicles and armoured personnel carriers (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 near Spartak (non-government-controlled, 9km north of Donetsk). The SMM also continued to facilitate the operation of the Donetsk Filtration Station (15km north of Donetsk) and monitored the security situation in areas near the Pumping Station close to Vasylivka (non-government-controlled, 20km north of Donetsk).

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

While at a border crossing point near Marynivka (78km east of Donetsk) for about one hour, the SMM saw 15 cars (four with Ukrainian, nine with Russian Federation and one with Georgian licence plates, as well as one with “DPR” plates) and one bus with “DPR” plates and approximately ten passengers on board entering Ukraine. The SMM also saw eight cars (two with Ukrainian and three with Russian Federation licence plates, as well as three with “DPR” plates), two covered cargo trucks (one with Russian Federation licence plates and one with “DPR” plates) and one bus with “DPR” plates and approximately 75 passengers on board exiting Ukraine.

While at a border crossing point near Uspenka (73km south-east of Donetsk) for about one hour, the SMM saw 40 cars (six with Ukrainian, five with Russian Federation and one with Georgian licence plates, as well as 28 with “DPR” plates), a covered cargo truck with Ukrainian licence plates and two buses (one with Russian Federation licence plates and one with “DPR” plates) entering Ukraine. The SMM also saw 22 cars (six with Ukrainian and five with Russian Federation licence plates, as well as 11 with “DPR” plates) and two covered cargo trucks with Ukrainian licence plates 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, 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 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*

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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.



*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 [again](#) prevented the SMM from proceeding west, citing “sniper fire in the area”. While at the checkpoint, the SMM saw a tractor and two cars driving through towards the village.
- At a checkpoint about 600m west of Verkhnohyrokiivske (formerly Oktiabr, non-government-controlled, 85km south of Donetsk), one armed member of the armed formations denied the SMM passage, citing “ongoing demining activities in areas near Sakhanka (non-government-controlled, 97km south of Donetsk) and Pikuzy (formerly Kominternove, non-government-controlled, 92km south of Donetsk)”. While at the checkpoint, the SMM saw civilian cars driving through in both directions.

*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>Government-controlled areas</b>				
20/11/2019	1	Surface-to-air missile system (9K33 <i>Osa</i> )	In Vidrodzhennia (66km north-east of Donetsk)	Patrol

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>				
19/11/2019	6	Anti-tank gun (MT-12 <i>Rapira</i> , 100mm)	Railway station in Khlিবodariivka (65km south-west of Donetsk)	Mini UAV
	5	Anti-tank guided missile system (9P148 <i>Konkurs</i> , 135mm)		
	6	Towed howitzer (D-20, 152mm)	In Khlিবodariivka (65km south-west of Donetsk)	
20/11/2019	6	Surface-to-air missile system (9K37)	At the railway station in Kostiantynivka (60km north of Donetsk)	Patrol
	22	Tanks (T-72)	At the railway station in Zachativka (74km south-west of Donetsk)	Patrol
	2	Towed howitzers (D-20, 152mm)	Near Khlিবodariivka (65km south-west of Donetsk)	Patrol

**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>				
19/11/2019	1	Infantry fighting vehicle (BMP variant)	In Zolote (60km west of Luhansk)	Patrol
	1	Armoured reconnaissance vehicle (BRDM-2 variant)		
20/11/2019	1	Armoured personnel carrier (BTR-70)	In Raihorodka (34km north-west of Luhansk)	Patrol
	1	Armoured personnel carrier (MT-LB)	Near Talakivka (90km south of Donetsk)	Patrol
	1	Self-propelled anti-aircraft system (ZSU-23-4 <i>Shilka</i> , 23mm)		
<b>Non-government-controlled areas</b>				
17/11/2019	2	Trench extensions and excavation works	Near Vedenske (90km south of Donetsk) (for previous observations in the area, see <a href="#">SMM Daily Report 28 February 2019</a> )	Aerial imagery
	2	Armoured combat vehicle	In a compound in Bezimenne (100km south of Donetsk)	Aerial imagery
20/11/2019	1	Infantry fighting vehicle (BMP-1)	Near Zernove (33km south of Donetsk)	Patrol
	1	Armoured personnel carrier (BTR-80)	Near Dubrivka (7km south-west of Donetsk)	Patrol

<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 20 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)	2-4km SSE	Recorded	1	Illumination flare	In vertical flight	N/K	19-Nov, 19:12
	2-3km SE	Recorded	1	Projectile	SW to NE	N/K	19-Nov, 22:11
	3-5km SE	Recorded	1	Projectile	SW to NE	N/K	19-Nov, 22:15
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	0.5-1km SSW	Recorded	4	Projectile	NW to SE	N/K	19-Nov, 19:33
	2-4km SSW	Recorded	3	Explosion	Undetermined	N/K	19-Nov, 20:17
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	19-Nov, 20:22
	2-4km S	Recorded	1	Explosion	Airburst	N/K	19-Nov, 20:31
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	19-Nov, 20:45
	1-2km S	Recorded	1	Projectile	SSE to NNW	N/K	19-Nov, 20:59
	2-4km S	Recorded	1	Projectile	W to E	N/K	19-Nov, 21:00
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	19-Nov, 21:08
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	19-Nov, 21:08
	2-4km SSW	Recorded	3	Projectile	ESE to WNW	N/K	19-Nov, 21:08
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	19-Nov, 21:11
	0.5-1km SSW	Recorded	5	Muzzle flash		N/K	19-Nov, 21:13
	0.5-1km SSE	Recorded	3	Explosion	Impact	N/K	19-Nov, 21:13
	0.5-1km S	Recorded	1	Projectile	W to E	N/K	19-Nov, 21:13
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	19-Nov, 21:35
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	19-Nov, 21:36
	SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	0.5-1km SSW	Recorded	4	Projectile	NW to SE	N/K
2-4km SSW		Recorded	1	Explosion	Undetermined	N/K	20-Nov, 05:35
1-2km SSW		Recorded	1	Projectile	W to E	N/K	20-Nov, 05:44
3-5km ESE		Recorded	6	Projectile	NNE to SSW	N/K	19-Nov, 20:10
3-5km ESE		Recorded	1	Projectile	In vertical flight	N/K	19-Nov, 21:01
3-5km E		Recorded	1	Explosion	Undetermined	N/K	19-Nov, 21:04
3-5km E		Recorded	1	Explosion	Undetermined	N/K	19-Nov, 21:12
SMM camera E of Lomakyne (government-controlled, 90km S of Donetsk)	2-3km E	Recorded	1	Explosion	Undetermined	N/K	19-Nov, 22:16
	3-5km ESE	Recorded	3	Projectile	SSW to NNE	N/K	20-Nov, 03:24
	3-5km E	Recorded	1	Explosion	Undetermined	N/K	20-Nov, 01:11
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	3-5km E	Recorded	4	Projectile	S to N	N/K	20-Nov, 03:50
	1-2km ESE	Recorded	1	Projectile	NNW to SSE	N/K	20-Nov, 05:01
SMM camera 1km SW of Shyrokyne (government-	1-2km ESE	Recorded	1	Projectile	NNW to SSE	N/K	20-Nov, 05:11
	3-5km N	Recorded	2	Projectile	W to E	N/K	19-Nov, 20:43
	3-5km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	19-Nov, 21:12

<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.



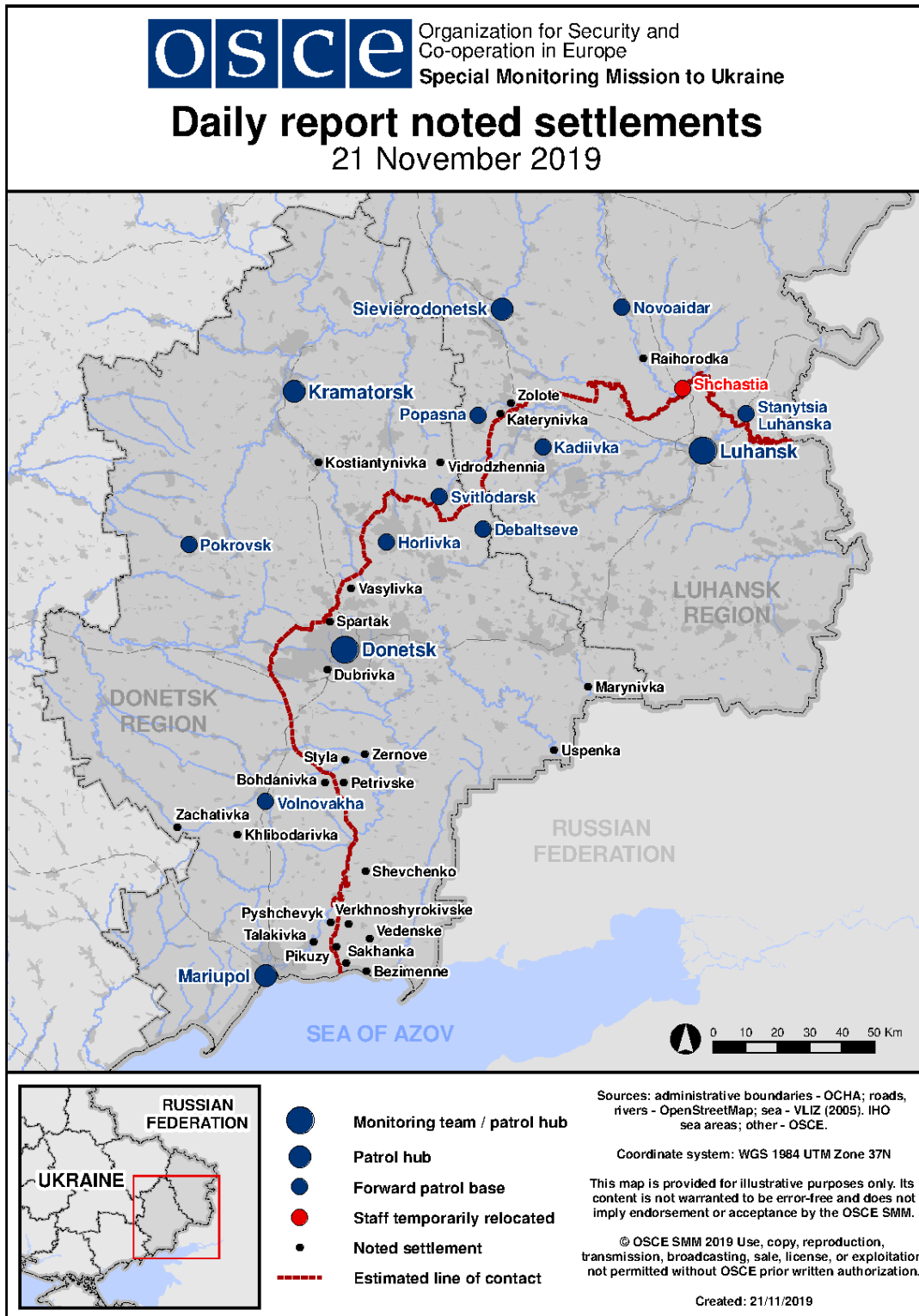
controlled, 100km S of Donetsk)	3-5km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	19-Nov, 22:51
	3-5km N	Recorded	6	Projectile	W to E	N/K	20-Nov, 02:51
	3-5km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	20-Nov, 03:02
	3-5km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	20-Nov, 03:04
	3-5km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	20-Nov, 03:11
	3-5km N	Recorded	2	Projectile	W to E	N/K	20-Nov, 03:14
	3-5km N	Recorded	1	Projectile	W to E	N/K	20-Nov, 03:15
	3-5km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	20-Nov, 03:16
	3-5km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	20-Nov, 03:17
	3-5km N	Recorded	7	Projectile	W to E	N/K	20-Nov, 03:50
	2-4km N	Recorded	1	Projectile	W to E	N/K	20-Nov, 05:39
	2-4km NNE	Recorded	2	Projectile	ESE to WNW	N/K	20-Nov, 05:41
	2-4km N	Recorded	3	Projectile	W to E	N/K	20-Nov, 05:41
	2-4km N	Recorded	17	Projectile	W to E	N/K	20-Nov, 05:42
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-5km E	Recorded	9	Projectile	N to S	N/K	20-Nov, 18:02
Marinka (government controlled, 23km SW of Donetsk)	2-3km E	Heard	1	Explosion	Undetermined	N/K	20-Nov, 09:27
About 1km NE of central railway station in Donetsk (non-government-controlled, 6km NW of Donetsk city centre)	3-4km NE	Heard	2	Burst		HMG	20-Nov, 12:57
About 2km N of Petrivske (non-government-controlled, 41km S of Donetsk)	4-5km E	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Nov, 10:17
	2-3km SSW	Heard	3	Burst	Assessed as inside the disengagement area	HMG	20-Nov, 10:52
About 1km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	2-3km SSW	Heard	12	Burst	Assessed as outside the Petrivske disengagement area	Small arms	20-Nov, 09:46
	2-3km SSW	Heard	2	Explosion	Undetermined (assessed as outside of disengagement area)	N/K	20-Nov, 10:00-10:05
	2-3km SSW	Heard	10	Shot	Assessed as outside of disengagement area	Small arms	20-Nov, 10:00-10:05
	2-3km SSW	Heard	20	Burst	Assessed as outside of	Small arms	20-Nov, 10:00-10:05

					disengagement area		
	2-3km SSW	Heard	1	Burst	Assessed as outside of disengagement area	(30 mm) cannon	20-Nov, 10:00-10:05
	2-3km SSW	Heard	1	Explosion	Undetermined (assessed as outside of disengagement area)	N/K	20-Nov, 10:40-10:50
	2-3km SSW	Heard	50	Burst	Assessed as outside of disengagement area	Small arms	20-Nov, 10:40-10:50
	2-3km SSW	Heard	13	Burst	Assessed as outside of disengagement area	(30 mm) cannon	20-Nov, 10:40-10:50
	2-3km SSW	Heard	6	Burst	Assessed as outside of disengagement area	Small arms	20-Nov, 11:00-11:03
	2-3km SSE	Heard	3	Burst	Assessed as outside of disengagement area	Small arms	20-Nov, 12:34
	N/K SE	Heard	1	Explosion	Undetermined (assessed as outside of disengagement area)	N/K	20-Nov, 13:20
	N/K SSW	Heard	2	Explosion	Undetermined (assessed as outside of disengagement area)	N/K	20-Nov, 13:35-13:38
	2-3km SSW	Heard	3	Explosion	Outgoing (assessed as outside of disengagement area)	N/K	20-Nov, 13:45-14:00
	N/K SSE	Heard	1	Explosion	Impact (assessed as outside of disengagement area)	N/K	20-Nov, 13:45-14:00
2km SW of Pyshchevyk (government-controlled, 84km S of Donetsk)	4-5km SSE	Heard	2	Explosion	Undetermined	N/K	20-Nov, 10:50
	3-4km S	Heard	23	Explosion	Undetermined	N/K	20-Nov, 12:54-13:05
	3-4km S	Heard	24	Burst		HMG	20-Nov, 12:54-13:05
	3-4km S	Heard	24	Explosion	Undetermined	N/K	20-Nov, 13:08-13:15
	3-4km S	Heard	28	Burst		HMG	20-Nov, 13:08-13:15
	2-3km S	Heard	42	Explosion	Undetermined	N/K	20-Nov, 13:22-13:30
	2-3km S	Heard	55	Burst		HMG	20-Nov, 13:22-13:30
	2-5km S	Heard	62	Explosion	Undetermined	N/K	20-Nov, 13:30-13:50
	2-5km SSE	Heard	60	Shots and bursts		Small arms	20-Nov, 13:30-13:50

Novohnativka (government-controlled, 40km S of Donetsk)	1-2km S	Heard	11	Burst	Assessed as outside the Petrivske disengagement area	Small arms	20-Nov, 11:45-11:47
About 2km SE of Lebedynske (government-controlled, 99km S of Donetsk)	3-4km N	Heard	10	Explosion	Undetermined	N/K	20-Nov, 12:34
	3-4km N	Heard	15	Shot	(30mm) cannon	N/K	20-Nov, 12:55
	3-4km N	Heard	3	Explosion	Undetermined	N/K	20-Nov, 12:55
	3-4km N	Heard	2	Explosion	Undetermined	N/K	20-Nov, 13:03-13:05
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-4km N	Heard	8	Burst	(30mm) cannon	N/K	20-Nov, 13:03-13:05
	2-3km SE	Heard	3	Burst		HMG	19-Nov, 19:25
	2-3km SE	Heard	2	Burst		HMG	19-Nov, 19:41
	4-6km SE	Heard	1	Explosion	Undetermined	N/K	19-Nov, 19:42
	2-3km SE	Heard	8	Burst		HMG	19-Nov, 19:50
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	19-Nov, 19:52
	2-3km SE	Heard	6	Burst		HMG	19-Nov, 19:50
	2-3km SE	Heard	12	Burst		HMG	19-Nov, 20:14
	3-5km SE	Heard	5	Explosion	Undetermined	N/K	19-Nov, 20:28
	3-5km SE	Heard	3	Explosion	Undetermined	N/K	19-Nov, 20:33
	3-5km SE	Heard	5	Explosion	Undetermined	N/K	19-Nov, 20:38
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	19-Nov, 20:45
	2-3km SE	Heard	5	Burst		HMG	19-Nov, 20:55
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	19-Nov, 20:56
	2-3km SE	Heard	7	Burst		HMG	19-Nov, 21:01
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	19-Nov, 21:12
	2-3km SE	Heard	4	Burst		HMG	19-Nov, 21:18
	2-3km SE	Heard	4	Shot		Small arms	19-Nov, 21:52
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	19-Nov, 21:55
	2-3km SE	Heard	7	Burst		HMG	19-Nov, 22:05-22:07
	2-3km SE	Heard	2	Burst		Small arms	19-Nov, 22:07
	2-3km SE	Heard	6	Burst		HMG	19-Nov, 22:18-22:19
	2-3km SE	Heard	7	Shot		Small arms	19-Nov, 22:19
	2-3km SE	Heard	6	Burst		HMG	19-Nov, 22:30-22:33
	2-3km SE	Heard	10	Shot		HMG	19-Nov, 22:57-23:03
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	19-Nov, 23:08
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	19-Nov, 23:11
	2-3km SE	Heard	3	Burst		HMG	19-Nov, 23:17
	2-3km SE	Heard	2	Burst		HMG	19-Nov, 23:45
	4-6km SE	Heard	1	Explosion	Undetermined	N/K	19-Nov, 23:59
4-5km ESE	Heard	10	Explosion	Undetermined	N/K	20-Nov, 08:15-08:17	
5-7km SW	Heard	22	Explosion	Undetermined	N/K	20-Nov, 10:15-10:18	
About 7.5km NW of Horlivka (non-government controlled, 39 km NE of Donetsk)	3-4km SSE	Heard	22	Explosion	Undetermined	N/K	20-Nov, 10:15-10:25
Myronivka (government-	3-4km S	Heard	1	Explosion	Undetermined	N/K	20-Nov, 12:03
	3-4km S	Heard	2	Explosion	Undetermined	N/K	20-Nov, 12:23
	3-4km ENE	Heard	2	Burst		HMG	20-Nov, 12:29

controlled, 64km NE of Donetsk)							
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	2-3km E	Heard	4	Explosion	Undetermined	N/K	20-Nov, 10:48
	2-3km SE	Heard	2	Explosion	Undetermined	N/K	20-Nov, 12:38
	2-3km E	Heard	7	Explosion	Undetermined	N/K	20-Nov, 12:40
	2-3km SSW	Heard	2	Explosion	Undetermined	N/K	20-Nov, 12:48

### 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).