

Daily Report 272/2019

16 November 2019¹

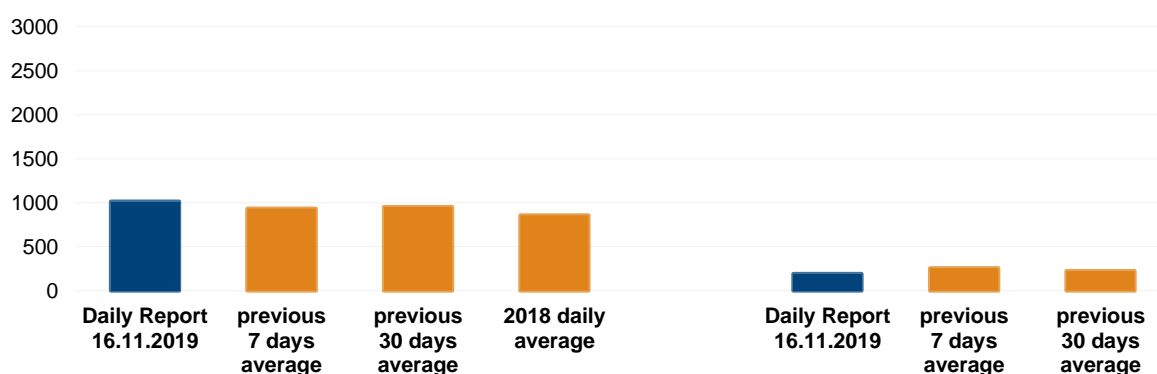
Summary

- Compared with the previous reporting period, the SMM recorded more ceasefire violations both in Donetsk and Luhansk regions.
- A man from non-government-controlled Donetsk city was injured by gunfire.
- The SMM continued to monitor the situation at the Petrivske disengagement area.
- The Mission observed personnel of the State Emergency Service of Ukraine dismantling positions and workers from non-government-controlled areas clearing vegetation 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 Mission continued to facilitate repairs to and the operation of critical civilian infrastructure on both sides of the contact line.
- Restrictions of the SMM's freedom of movement continued, including at checkpoints near non-government-controlled Verkhnohshyrokyvske and Kruta Balka.*

Ceasefire violations²

Number of recorded ceasefire violations³

Number of recorded explosions⁴



¹ Based on information from the Monitoring Teams as of 19:30, 15 November 2019. All times are in Eastern European Time.

² For a complete breakdown of ceasefire violations, please see the annexed table.

³ Including explosions.

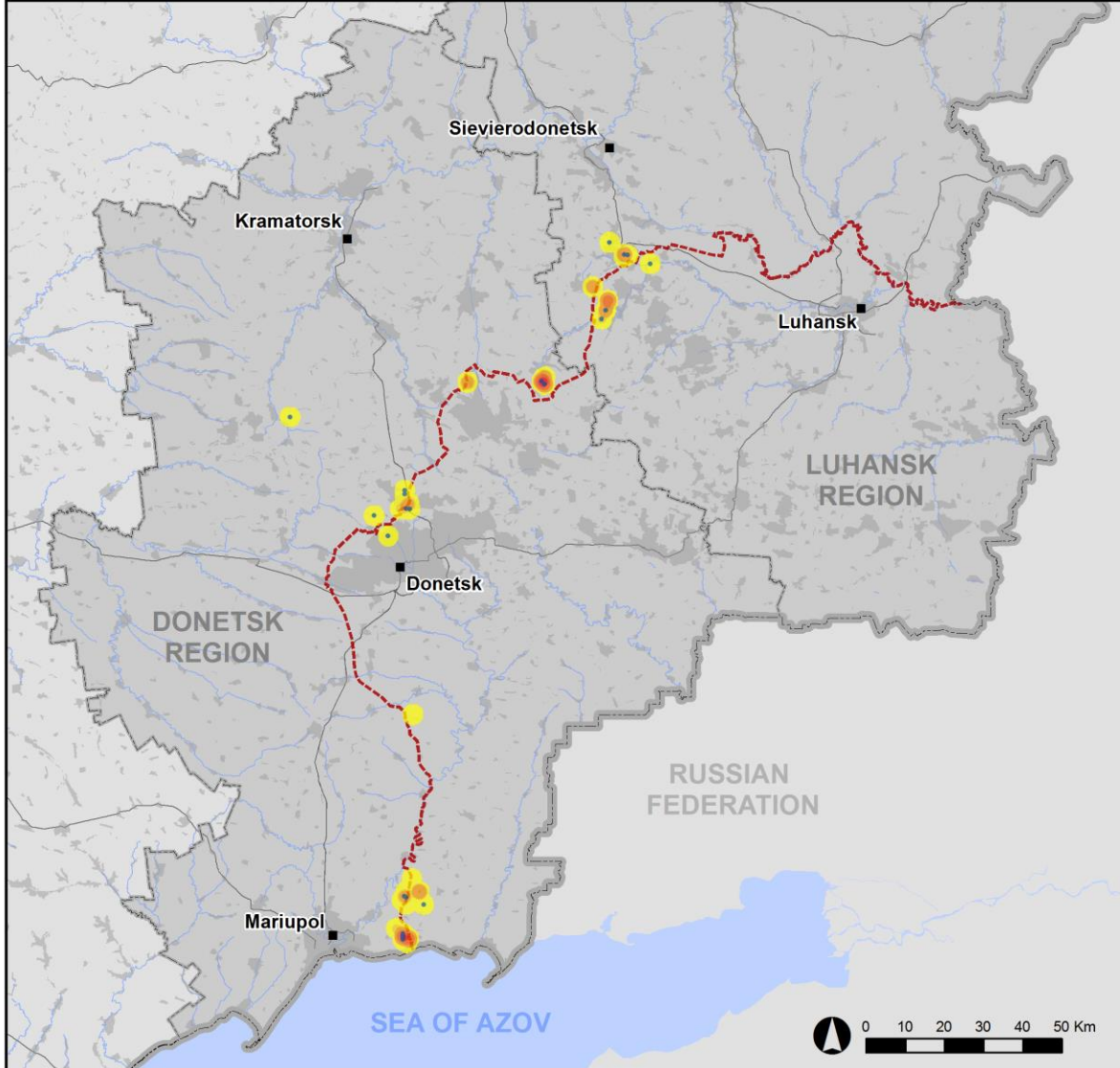
⁴ Including from unidentified weapons.

Map of recorded ceasefire violations

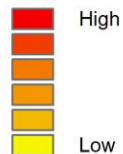


Organization for Security and
Co-operation in Europe
Special Monitoring Mission to Ukraine

Ceasefire violations observed by the SMM 15 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: 16/11/2019

In Donetsk region, the SMM recorded more ceasefire violations, including, however, fewer explosions (about 95), compared with the [previous reporting period](#) (about 175 explosions). The majority of ceasefire violations, including the majority of explosions were recorded in areas south-east and east-south-east of Svitlodarsk (government-controlled, 57km north-east of Donetsk) and north and north-north-east of Shyrokyne (government-controlled, 100km south of Donetsk).

In Luhansk region, the SMM recorded more ceasefire violations, including more explosions (about 100), compared with the [previous reporting period](#) (16 explosions). The majority of ceasefire violations were recorded in areas south-west of Kalynove-Borshchuvate (non-government-controlled, 61km west of Luhansk) and close to the disengagement area near Zolote (government-controlled, 60km west of Luhansk), where the majority of explosions were recorded.

Man from non-government-controlled Donetsk city injured by small-arms fire

The SMM followed up on reports of a man injured on 13 November in the Trudivski area of Donetsk city's Petrovskiyi district (non-government-controlled). On 14 November, medical staff at Hospital No. 14 in Donetsk told the SMM that a man (in his fifties) had been admitted on the afternoon of 13 November with injuries to his thigh, close to the artery, caused by small-arms fire and was transferred to the Regional Hospital in Donetsk city for further treatment.

On 15 November, at the latter hospital in Donetsk city, the SMM saw a man (54 years old) with four bandages – two on each thigh. He told the Mission that he was injured by gunfire while walking in the Trudivski area in the afternoon of 13 November. A member of medical staff told the SMM that a bullet was removed from the man's thigh.

Disengagement areas near Petrivske, Zolote and Stanytsia Luhanska⁵

On 15 November, positioned about 2km north of Petrivske (non-government-controlled, 41km south of Donetsk), the SMM heard three explosions about 2km south-west, assessed as controlled detonations, inside **the disengagement area near Petrivske**.

On 14 November, inside **the disengagement area near Zolote**, an SMM mini-unmanned aerial vehicle (UAV) spotted four vehicles and 15 personnel of the State Emergency Service (SES) of Ukraine dismantling fortified positions by retrieving wooden logs near the railway bridge, about 900m south of the area's northern edge.

On the evening of 14 November, the SMM camera in Zolote recorded two explosions assessed as airbursts about 3-5km north-east and a projectile in flight about 2-4km north-east. On the same evening, while on the northern edge of Popasna (government-controlled, 69km west of Luhansk), the SMM heard 37 shots and bursts about 4-6km south-east. On 15 November, while at the same location, the SMM heard 58 explosions about 10-15km east-north-east. All ceasefire violations were assessed as outside the disengagement area, but within its 5km periphery.

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

On 15 November, positioned on the northern edge of the disengagement area, the SMM heard an explosion (also recorded by an SMM camera on the southern part of the area), and saw smoke, about 1km south of its position, assessed as a controlled detonation. The SMM also saw for the first time a launched rocket propelled grenade tube (probable RPG-26) about 30m west of road T-1316 and about 170m south of the disengagement area's northern edge.

Outside the disengagement area, on the same day, the SMM saw a fence made of wooden poles and barbed wire about 50m south of a road leading to Zolote 4/Rodina (government-controlled, 59km west of Luhansk), stretching from a location about 300m north-east of the checkpoint of the Ukrainian Armed Forces north of the area's northern edge to the entrance to Zolote 4/Rodina.

On the same day, inside the disengagement area, the SMM saw 17 workers from non-government-controlled areas clearing vegetation east and west of road T-1316, about 700m north of the area's southern edge. The Mission saw a truck leaving the area loaded with cut wood, and thereafter re-entering it empty. The SMM also saw four members of the armed formations (wearing armbands with "JCCC" written on them) and two workers inside a truck near the checkpoint of the armed formations on the southern edge of the disengagement area.

On 15 November, inside **the disengagement area near Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk), the SMM observed ten workers from government-controlled areas painting the Stanytsia Luhanska bridge (15km north-east of Luhansk) and compacting earth below the bridge. At the entry-exit checkpoint (EECP) of the Ukrainian Armed Forces north of the disengagement area, the Mission saw at least four journalists with cameras recording the construction works on the bridge and five workers from government-controlled areas installing four stationary radiation monitoring systems, two at each end of the EECP.

Also inside the disengagement area, the SMM saw a worker from non-government-controlled areas along with a truck installing cables north of the checkpoint of the armed formations south of the bridge. The Mission also saw 11 workers from non-government-controlled areas clearing and burning vegetation in the area east of the checkpoint of the armed formations south of the bridge. The SMM also saw at least five members of the armed formations (wearing armbands with "JCCC" written on them) between the checkpoint and the southern edge of the broken section of the bridge.

Outside the disengagement area, the Mission saw a freshly dug hole (at least 5x3m), about 100m north-west of the Prince Ihor monument. Near the monument, the Mission saw a member of the armed formations (wearing an armband with "JCCC" written on it).

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 no weapons in violation of the withdrawal lines. It observed 15 weapons beyond withdrawal lines but outside of designated storage sites in government-controlled areas of Donetsk and Luhansk regions (for further details, see the tables below).

Weapons that the SMM could not verify as withdrawn⁶

15 November

At a heavy weapons holding area in a government-controlled area of Donetsk region

The SMM noted that:

- ten anti-tank guns (four MT-12 *Rapira*, 100mm and six D-48, 85mm);
- 29 towed howitzers (12 2A36 *Giatsint-B*, 152mm and 17 D-20, 152mm); and
- seven self-propelled howitzers (2S3 *Akatsiya*, 152mm) continued to be missing.

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

The SMM noted that:

- nine infantry fighting vehicles (BTR-3);
- three self-propelled howitzers (2S3 *Akatsiya*, 152mm); and
- a surface-to-air missile system (9K35 *Strela-10*) were present; and that
- seven tanks (T-80) were missing for the first time.

Weapons permanent storage site

15 November

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

The SMM noted that:

- three mortars (2B11 *Sani*, 120mm) were missing for the first time.

Indications of military and military-type presence in the security zone⁷

The SMM observed military and military-type presence inside the security zone on both sides of the contact line, including armoured personnel carriers in a government-controlled area of Donetsk region (for further details, see the table below).

SMM facilitation of repairs to and operation of critical civilian infrastructure

The Mission monitored adherence to the ceasefire to facilitate maintenance of and repairs to power lines between Holubivka (formerly Kirovsk, non-government-controlled, 51km west of Luhansk) and Berdianka (non-government-controlled, 45km west of Luhansk) and in Vesele (non-government-controlled, 9km north-west of Donetsk).

The SMM continued to facilitate the operation of the Donetsk Filtration Station (15km north of Donetsk) and monitor the security situation around the pumping station near Vasylivka (non-government-controlled, 20km north of Donetsk).

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

⁶ 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. The SMM noted that one such site in government-controlled areas in Luhansk region was abandoned.

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

***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 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.

Denial of access:

- At a checkpoint west of Verkhnohyrokiivske (formerly Oktiabr, non-government-controlled, 85km south of Donetsk), armed members of the armed formations [again](#) denied the SMM passage, citing “orders from superiors”, on two occasions.

Delay:

- At a checkpoint west of Verkhnohyrokiivske, on two occasions, armed members of the armed formations [again](#) allowed the SMM to proceed only after about 20 and 40 minutes of waiting, respectively.

Conditional access:

- At a checkpoint about 700m south-east of Kruta Balka (non-government-controlled, 16km north of Donetsk), an armed member of the armed formations allowed the SMM to pass only with an escort car from the armed formations between the checkpoint and the settlement.

Regular restrictions related to disengagement areas and mines/UXO:

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

Other impediments:

- On 15 November, at Hospital No. 2 in Horlivka (non-government-controlled, 39km north-east of Donetsk) medical staff refused to provide the Mission with information about a civilian casualty citing “a requirement for written permission from those in control”.

Table of weapons

Beyond withdrawal lines but outside of designated storage sites

Date	No. of weapons	Type of weapon	Location	Source of observation
Government-controlled areas				
15/11/2019	1	Mortar (type undetermined)	In a military facility in Urzuf (132km south-west of Donetsk)	Patrol
	1	Anti-tank gun (MT-12 <i>Rapira</i> , 100mm) towed on a truck	Near Pryvillia (90km north-west of Luhansk)	
	8	Self-propelled howitzer (2S7 <i>Pion</i> , 203mm)	Railway station in Pokrovsk (formerly Krasnoarmiisk, 55km north-west of Donetsk)	
	3	Towed howitzer (2A36 <i>Giatsint-B</i> , 152mm)		
	2	Anti-tank gun (MT-12 <i>Rapira</i> , 100mm) towed by two trucks	Near Hrodivka (43km north-west of Donetsk)	

Table of indications of military and military-type presence in the security zone⁸

Date	No.	Type	Location	Source of observation
Government-controlled areas				
15/11/2019	2	Armoured personnel carrier (BTR-60 and BTR-70)	Near Novobakhmutivka (28km north of Donetsk)	Patrol
Non-government-controlled areas				
15/11/2019	4	Armed members of the armed formations near a military-type position observed for the first time	About 3.5km south-east of Raivka (16km north-west of Luhansk)	Patrol

⁸The 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 15 November 2019⁹

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	2-3km SE	Recorded	4	Projectile	NNW to SSE	N/K	14-Nov, 18:46
	3-5km ESE	Recorded	1	Projectile	WSW to ENE (also recorded by the SMM camera at the DFS)	N/K	14-Nov, 18:49
	3-5km ESE	Recorded	1	Projectile	NNW to SSE	N/K	14-Nov, 18:53
	2-7km ESE	Recorded	1	Explosion	Undetermined (also recorded by the SMM camera at the DFS)	N/K	14-Nov, 18:59
	2-3km SE	Recorded	7	Projectile	W to E	N/K	14-Nov, 19:45
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-2km SSW	Recorded	15	Projectile	E to W	N/K	15-Nov, 18:16
	0.7-1km SSW	Recorded	15	Projectile	E to W	N/K	15-Nov, 18:31
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	3-6km ESE	Recorded	2	Projectile	NNE to SSW	N/K	14-Nov, 18:56
	3-6km SE	Recorded	1	Projectile	N to S	N/K	14-Nov, 19:25
	2-4km ESE	Recorded	2	Projectile	NNE to SSW	N/K	15-Nov, 00:26
	2-4km ESE	Recorded	1	Muzzle flash		N/K	15-Nov, 00:26
	2-4km SE	Recorded	1	Projectile	NNE to SSW	N/K	15-Nov, 00:26
	2-4km E	Recorded	1	Projectile	NNW to SSE	N/K	15-Nov, 00:42
	2-4km SE	Recorded	2	Projectile	NNE to SSW	N/K	15-Nov, 02:12
	2-4km ESE	Recorded	5	Projectile	SSW to NNE	N/K	15-Nov, 03:05
	2-4km ESE	Recorded	5	Projectile	SSW to NNE	N/K	15-Nov, 03:06
	2-4km ESE	Recorded	3	Projectile	SSW to NNE	N/K	15-Nov, 03:54
	2-4km ESE	Recorded	2	Explosion	Impact	N/K	15-Nov, 04:52
2-4km ESE	Recorded	6	Projectile	SSW to NNE	N/K	15-Nov, 04:52	
SMM camera E of Lomakyne (government-controlled, 93km S of Donetsk)	3-5km ESE	Recorded	5	Projectile	SSW to NNE	N/K	15-Nov, 17:07
	3-5km ESE	Recorded	5	Projectile	SSW to NNE	N/K	15-Nov, 17:08
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1-3km ENE	Recorded	1	Illumination flare	NE to SW	N/K	14-Nov, 20:33
	1-3km ENE	Recorded	1	Illumination flare	In vertical flight	N/K	14-Nov, 20:46
	1-3km ENE	Recorded	1	Illumination flare	NE to SW	N/K	14-Nov, 20:53
	1-3km ENE	Recorded	5	Projectile	NNW to SSE	N/K	14-Nov, 20:57
	1-3km ENE	Recorded	1	Projectile	N to S	N/K	14-Nov, 21:03
	1-3km ENE	Recorded	1	Projectile	NW to SE	N/K	14-Nov, 21:05
	1-3km ENE	Recorded	1	Projectile	N to S	N/K	14-Nov, 21:05
	1-3km ENE	Recorded	2	Projectile	N to S	N/K	14-Nov, 21:07
	1-3km ENE	Recorded	2	Projectile	NW to SE	N/K	14-Nov, 21:07
1-3km ENE	Recorded	1	Projectile	N to S	N/K	14-Nov, 21:08	

⁹ 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.

	1-3km ENE	Recorded	1	Projectile	NW to SE	N/K	14-Nov, 21:09
	1-3km ENE	Recorded	5	Projectile	NNW to SSE	N/K	14-Nov, 21:17
	1-3km ENE	Recorded	1	Projectile	N to S	N/K	14-Nov, 21:57
	1-3km ENE	Recorded	1	Projectile	N to S	N/K	14-Nov, 22:01
	1-3km ENE	Recorded	1	Projectile	N to S	N/K	14-Nov, 22:08
	1-3km ENE	Recorded	1	Projectile	N to S	N/K	14-Nov, 22:09
	1-3km ENE	Recorded	1	Projectile	N to S	N/K	14-Nov, 22:10
	1-3km ENE	Recorded	2	Projectile	N to S	N/K	14-Nov, 22:11
	1-3km ENE	Recorded	1	Projectile	NNW to SSE	N/K	14-Nov, 22:11
	1-3km ENE	Recorded	1	Illumination flare	NE to SW	N/K	14-Nov, 22:25
	1-3km ENE	Recorded	1	Illumination flare	N to S	N/K	14-Nov, 22:27
	1-3km ENE	Recorded	1	Illumination flare	NE to SW	N/K	14-Nov, 22:33
	1-3km ENE	Recorded	4	Projectile	NNW to SSE	N/K	15-Nov, 00:41
	SMM camera in Petrivske (non-government-controlled, 41km S of Donetsk)	0.5-1km N	Recorded	1	Muzzle flash	Assessed as outside the disengagement area	N/K
SMM camera at entry-exit checkpoint in Pyshchevyk (government-controlled, 84km S of Donetsk)	2-4km ESE	Recorded	2	Projectile	S to N	N/K	14-Nov, 18:52
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	15-Nov, 00:48
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	4-6km N	Recorded	1	Explosion	Undetermined	N/K	14-Nov, 18:00
	3-5km N	Recorded	2	Projectile	W to E	N/K	14-Nov, 18:33
	3-4km N	Recorded	4	Explosion	Undetermined	N/K	14-Nov, 18:33
	4-6km N	Recorded	2	Projectile	W to E	N/K	14-Nov, 19:10
	4-6km N	Recorded	1	Projectile	In vertical flight	N/K	14-Nov, 19:19
	4-6km N	Recorded	3	Projectile	E to W	N/K	14-Nov, 19:21
	4-6km N	Recorded	6	Projectile	E to W	N/K	14-Nov, 19:21
	4-6km N	Recorded	3	Projectile	E to W	N/K	14-Nov, 19:26
	4-6km N	Recorded	1	Projectile	In vertical flight	N/K	14-Nov, 19:26
	3-5km N	Recorded	4	Projectile	E to W	N/K	14-Nov, 20:00
	3-5km N	Recorded	4	Projectile	E to W	N/K	14-Nov, 20:01
	3-5km N	Recorded	1	Projectile	E to W	N/K	14-Nov, 20:04
	3-5km NNE	Recorded	2	Projectile	W to E	N/K	14-Nov, 20:04
	3-5km N	Recorded	2	Muzzle flash		N/K	14-Nov, 20:06
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	14-Nov, 20:53
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	14-Nov, 21:23
	3-5km N	Recorded	7	Projectile	E to W	N/K	14-Nov, 21:45
	3-5km N	Recorded	3	Projectile	E to W	N/K	14-Nov, 21:46
	3-5km N	Recorded	4	Projectile	E to W	N/K	14-Nov, 21:46
	3-5km N	Recorded	1	Projectile	In vertical flight	N/K	14-Nov, 21:49
	3-5km N	Recorded	3	Projectile	E to W	N/K	14-Nov, 21:54
	3-5km N	Recorded	1	Projectile	S to N	N/K	14-Nov, 21:54
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	14-Nov, 22:01
	3-5km N	Recorded	3	Projectile	E to W	N/K	14-Nov, 22:01
	2-4km NNE	Recorded	2	Projectile	ESE to WNW	N/K	14-Nov, 23:38
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	14-Nov, 23:42
	3-5km NNE	Recorded	3	Projectile	W to E	N/K	15-Nov, 01:19
	3-5km NNE	Recorded	3	Projectile	S to N	N/K	15-Nov, 03:23
	3-5km NNE	Recorded	3	Projectile	E to W	N/K	15-Nov, 03:24
	3-5km N	Recorded	8	Projectile	E to W	N/K	15-Nov, 03:26
	3-5km NNE	Recorded	15	Projectile	W to E	N/K	15-Nov, 03:29
	3-5km NNE	Recorded	8	Projectile	W to E	N/K	15-Nov, 03:50
3-5km NNE	Recorded	1	Projectile	E to W	N/K	15-Nov, 03:50	

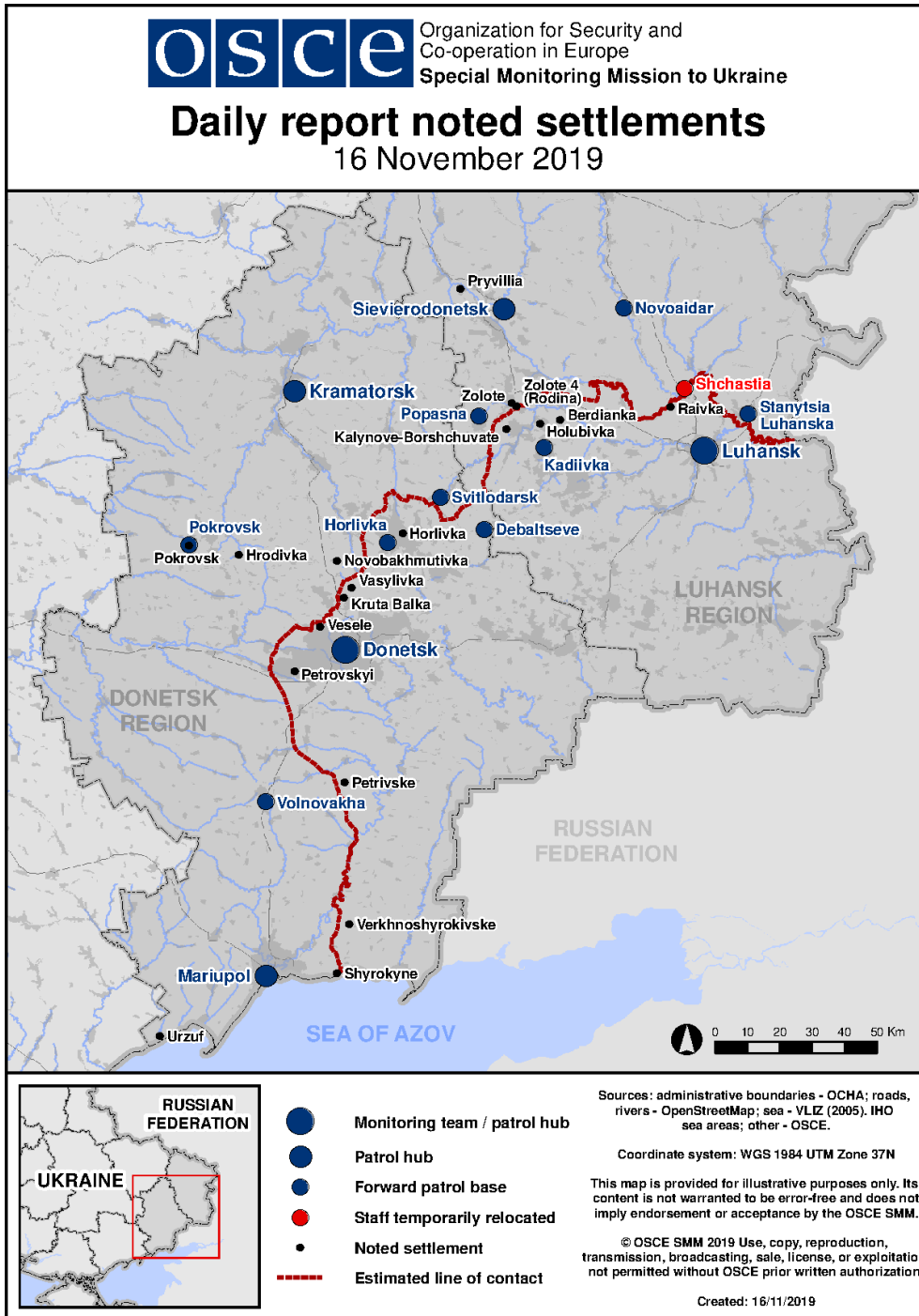
3-5km NNE	Recorded	1	Projectile	W to E	N/K	15-Nov, 03:51
3-5km NNE	Recorded	4	Projectile	W to E	N/K	15-Nov, 03:58
3-5km NNE	Recorded	4	Projectile	W to E	N/K	15-Nov, 03:59
3-5km NNE	Recorded	9	Projectile	W to E	N/K	15-Nov, 04:08
3-5km NNE	Recorded	2	Projectile	W to E	N/K	15-Nov, 04:20
3-5km N	Recorded	1	Muzzle flash		N/K	15-Nov, 04:21
3-5km N	Recorded	1	Projectile	E to W (subsequent to previous event)	N/K	15-Nov, 04:21
3-5km NNE	Recorded	1	Muzzle flash		N/K	15-Nov, 04:22
3-5km NNE	Recorded	1	Projectile	W to E (subsequent to previous event)	N/K	15-Nov, 04:22
3-5km NNE	Recorded	6	Projectile	W to E	N/K	15-Nov, 04:22
3-5km N	Recorded	4	Projectile	E to W	N/K	15-Nov, 04:22
3-5km NNE	Recorded	9	Projectile	W to E	N/K	15-Nov, 04:23
3-5km N	Recorded	6	Projectile	E to W	N/K	15-Nov, 04:25
3-5km NNE	Recorded	3	Projectile	W to E	N/K	15-Nov, 04:31
3-5km N	Recorded	4	Projectile	E to W	N/K	15-Nov, 04:33
3-5km N	Recorded	1	Projectile	E to W	N/K	15-Nov, 04:36
3-5km NNE	Recorded	16	Projectile	W to E	N/K	15-Nov, 04:37
3-5km NNE	Recorded	1	Muzzle flash		N/K	15-Nov, 04:41
3-5km NNE	Recorded	1	Projectile	W to E	N/K	15-Nov, 04:41
3-5km NNE	Recorded	13	Projectile	W to E	N/K	15-Nov, 04:42
3-5km N	Recorded	1	Projectile	W to E	N/K	15-Nov, 04:52
3-5km N	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	15-Nov, 04:52
3-5km NNE	Recorded	7	Projectile	W to E	N/K	15-Nov, 04:53
3-5km NNE	Recorded	1	Muzzle flash		N/K	15-Nov, 04:54
3-5km NNE	Recorded	1	Projectile	W to E (subsequent to previous event)	N/K	15-Nov, 04:54
3-5km NNE	Recorded	7	Projectile	W to E	N/K	15-Nov, 04:54
3-5km NNE	Recorded	3	Projectile	W to E	N/K	15-Nov, 04:55
3-5km NNE	Recorded	2	Projectile	W to E	N/K	15-Nov, 04:59
3-5km NNE	Recorded	11	Projectile	W to E	N/K	15-Nov, 05:00
3-5km NNE	Recorded	1	Muzzle flash		N/K	15-Nov, 05:01
3-5km NNE	Recorded	1	Projectile	W to E (subsequent to previous event)	N/K	15-Nov, 05:01
2-7km N	Recorded	5	Projectile	W to E	N/K	15-Nov, 17:07
2-7km N	Recorded	2	Muzzle flash		N/K	15-Nov, 17:07
2-7km N	Recorded	7	Projectile	W to E	N/K	15-Nov, 17:08
2-7km N	Recorded	1	Projectile	E to W	N/K	15-Nov, 17:08
2-7km N	Recorded	1	Projectile	E to W	N/K	15-Nov, 17:09
2-7km N	Recorded	9	Projectile	W to E	N/K	15-Nov, 17:10
2-7km N	Recorded	9	Projectile	E to W	N/K	15-Nov, 17:11
2-7km N	Recorded	6	Projectile	W to E	N/K	15-Nov, 17:24
2-7km N	Recorded	5	Projectile	E to W	N/K	15-Nov, 17:39
2-7km N	Recorded	2	Projectile	E to W	N/K	15-Nov, 17:44
2-7km N	Recorded	3	Projectile	E to W	N/K	15-Nov, 17:45
2-7km N	Recorded	1	Projectile	E to W	N/K	15-Nov, 17:46
2-7km N	Recorded	1	Projectile	E to W	N/K	15-Nov, 17:47
2-7km N	Recorded	2	Projectile	E to W	N/K	15-Nov, 17:48
2-7km N	Recorded	2	Projectile	SW to NE	N/K	15-Nov, 17:48
2-7km N	Recorded	2	Projectile	W to E	N/K	15-Nov, 17:49
2-7km N	Recorded	5	Projectile	E to W	N/K	15-Nov, 17:49
2-7km N	Recorded	9	Projectile	E to W	N/K	15-Nov, 17:50
2-7km N	Recorded	1	Muzzle flash		N/K	15-Nov, 18:05

	2-7km N	Recorded	1	Explosion	Undetermined	N/K	15-Nov, 18:05
	2-7km N	Recorded	1	Burst	E to W	N/K	15-Nov, 18:21
	2-7km N	Recorded	2	Projectile	E to W	N/K	15-Nov, 18:24
	2-7km N	Recorded	1	Explosion	Undetermined	N/K	15-Nov, 18:28
	2-7km N	Recorded	1	Explosion	Undetermined	N/K	15-Nov, 18:33
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	1-2km NE	Heard		Shot	Uncountable, overlapping	Small arms	15-Nov, 13:17-13:20
	2-3km SE	Heard	1	Explosion	Undetermined	N/K	15-Nov, 13:17
	2-3km SE	Heard	1	Explosion	Undetermined	N/K	15-Nov, 13:22
Mykhailivka (government-controlled, 47km NW of Donetsk)	2-3km NE	Heard	2	Explosion	Undetermined	N/K	15-Nov, 12:11-12:12
About 1km SE of Spartak (non-government-controlled, 9km N of Donetsk)	4-5km SW	Heard	1	Explosion	Undetermined	N/K	15-Nov, 12:21
	4-5km SW	Heard	2	Explosion	Undetermined	N/K	15-Nov, 12:59
About 500m NE of Vesele (non-government-controlled, 9km NW of Donetsk)	4-5km NW	Heard	5	Explosion	Undetermined	N/K	15-Nov, 13:25
2km SW of Pyshechyk (government-controlled, 84km S of Donetsk)	3-4km ESE	Saw	1	Explosion	Undetermined (with visible black smoke)	N/K	15-Nov, 09:45
About 1km W of Verkhnohyrokovske (formerly Oktiabr, non-government-controlled, 85km S of Donetsk)	3-5km SSE	Heard	4	Explosion	Undetermined	N/K	15-Nov, 10:57
	300-800m SE	Heard	60	Shot		Small arms	15-Nov, 10:57
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-4km SE	Heard	10	Explosion	Undetermined	N/K	14-Nov, 19:00-19:05
	3-4km SE	Heard	14	Shot		Small arms	14-Nov, 19:13-19:14
	3-4km SE	Heard	12	Burst		HMG	14-Nov, 19:15-19:16
	3-4km SE	Heard	3	Shot		Small arms	14-Nov, 19:28
	3-4km ESE	Heard	35	Shot		Small arms	14-Nov, 19:40-19:42
	3-4km ESE	Heard	6	Burst		HMG	14-Nov, 19:43
	4-5km SE	Heard	6	Burst		HMG	14-Nov, 19:54
	3-4km SE	Heard	3	Burst		HMG	14-Nov, 19:57
	4-5km SE	Heard	30	Burst		HMG	14-Nov, 20:08-20:09
	4-5km SE	Heard	3	Burst		HMG	14-Nov, 20:28
	4-5km SE	Heard	15	Burst		HMG	14-Nov, 22:07-22:08
	4-5km SE	Heard	5	Burst		HMG	14-Nov, 22:11
	4-5km SE	Heard	3	Burst		HMG	14-Nov, 22:22
	4-5km SE	Heard	2	Explosion	Undetermined	N/K	14-Nov, 22:26
	4-5km SE	Heard	10	Burst		HMG	14-Nov, 22:30
	4-5km SE	Heard	1	Explosion	Undetermined	N/K	14-Nov, 22:34
	4-5km SE	Heard	15	Shot		Small arms	14-Nov, 22:48
4-5km SE	Heard	1	Explosion	Undetermined	N/K	14-Nov, 22:53	
4-5km SE	Heard	15	Burst		HMG	14-Nov, 22:56-22:57	

	4-5km SE	Heard	20	Burst		HMG	14-Nov, 23:25-23:26
	4-5km SE	Heard	9	Burst		HMG	14-Nov, 23:47
	4-5km SE	Heard	12	Burst		HMG	14-Nov, 23:53-23:54
	3-4km SE	Heard	17	Burst		HMG	14-Nov, 23:58-23:59
	3-4km SE	Heard	8	Burst		HMG	14-Nov, 00:00
	3-4km SE	Heard	10	Burst		HMG	15-Nov, 07:05
	3-4km SE	Heard	12	Burst		HMG	15-Nov, 07:17
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	15-Nov, 10:09
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	15-Nov, 11:18
	3-4km SE	Heard	9	Burst		HMG	15-Nov, 15:02
	3-4km SE	Heard	2	Explosion	Undetermined	N/K	15-Nov, 16:01
	3-4km SE	Heard	16	Burst		HMG	15-Nov, 16:13
	3-4km SE	Heard	3	Explosion	Undetermined	N/K	15-Nov, 16:31
	3-4km SE	Heard	22	Burst		HMG	15-Nov, 16:56-16:57
	3-4km SE	Heard	30	Burst		HMG	15-Nov, 17:00-17:01
	3-4km SE	Heard	7	Explosion	Undetermined	N/K	15-Nov, 17:02
	3-4km SE	Heard	6	Explosion	Undetermined	N/K	15-Nov, 17:04
	3-4km SE	Heard	8	Explosion	Undetermined	N/K	15-Nov, 17:20-17:22
	3-4km SE	Heard	6	Explosion	Undetermined	N/K	15-Nov, 17:47
	3-4km SE	Heard	3	Explosion	Undetermined	N/K	15-Nov, 17:53
	3-4km SE	Heard	2	Explosion	Undetermined	N/K	15-Nov, 18:01
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	15-Nov, 18:05
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	15-Nov, 18:13
	3-4km SE	Heard	3	Explosion	Undetermined	N/K	15-Nov, 18:25
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	2-3km S	Heard	1	Explosion	Undetermined	N/K	15-Nov, 13:17
	3-4km S	Heard	1	Explosion	Undetermined	N/K	15-Nov, 13:22
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	3-5km ENE	Recorded	1	Explosion	Airburst (assessed as outside the disengagement area)	N/K	14-Nov, 18:59
	2-4km ENE	Recorded	1	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	14-Nov, 19:00
	3-5km ENE	Recorded	1	Explosion	Airburst (assessed as outside the disengagement area)	N/K	14-Nov, 19:00
N edge of Popasna (government-controlled, 69km W of Luhansk)	4-6km SE	Heard	15	Shot	(Assessed as outside the Zolote disengagement area)	N/K	14-Nov, 18:42-19:00
	4-6km SE	Heard	22	Burst	(Assessed as outside the disengagement area)	N/K	14-Nov, 18:42-19:00
	10-12km NE	Heard	7	Explosion	Undetermined	N/K	14-Nov, 18:42-19:00
	10-15km ENE	Heard	58	Explosion	Undetermined	N/K	15-Nov,

					(assessed as outside the Zolote disengagement area)		06:42-07:08
SE edge of Zolote-5/Mykhailivka (non-government-controlled, 58km W of Luhansk)	4-6km ENE	Heard	1	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	15-Nov, 10:10
S edge of the disengagement area near Zolote (government-controlled, 60km W of Luhansk)	10-15km SSW	Heard	10	Explosion	Undetermined	N/K	15-Nov, 12:20-12:40
	10km SSW	Heard	4	Explosion	Undetermined	N/K	15-Nov, 13:12-13:14
	10km SSW	Heard	15	Explosion	Undetermined	N/K	15-Nov, 13:26-13:30
	10km SSW	Heard	25	Burst		N/K	15-Nov, 13:26-13:30
1km SE of Kalynove-Borshchuvate (non-government-controlled, 61km W of Luhansk)	2-3km SW	Heard	120	Shot		N/K	15-Nov, 13:54-14:00

Map of Donetsk and Luhansk regions¹⁰



¹⁰ 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).