

Daily Report 287/2019

4 December 2019¹

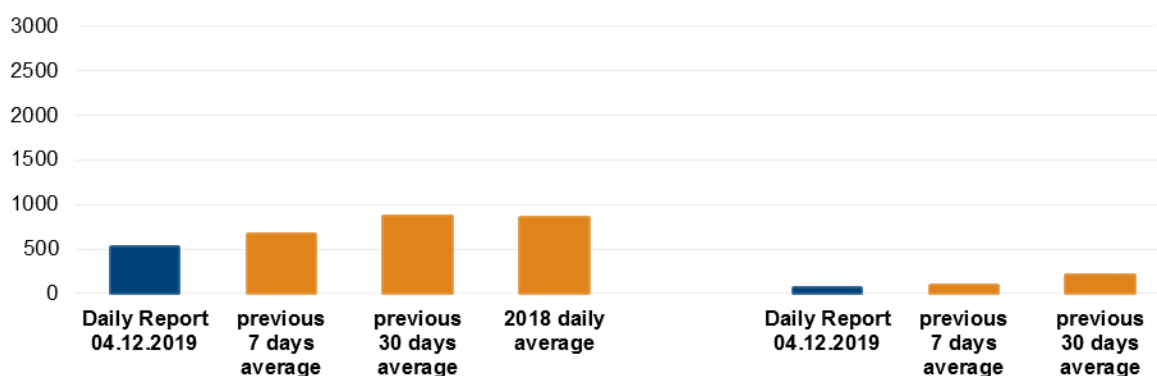
Summary

- Compared with the previous reporting period, the SMM recorded fewer ceasefire violations in Donetsk region and more in Luhansk region.
- Inside and near the disengagement area near Petrivske, SMM unmanned aerial vehicles spotted anti-tank mines and repairs to the road north of the area.
- Inside the disengagement area near Zolote, the SMM saw workers from non-government-controlled areas removing and burning cut vegetation.
- The SMM observed anti-tank mines near non-government-controlled Styla and signs of demining activities near government-controlled Kryva Luka, both in Donetsk region.
- The SMM monitored adherence to a localized ceasefire to facilitate drilling of water wells near non-government-controlled Pankivka in Luhansk region.
- The SMM's freedom of movement continued to be restricted, including at a checkpoint of the armed formations near Nova Marivka.*

Ceasefire violations²

Number of recorded ceasefire violations³

Number of recorded explosions⁴



¹ Based on information from the Monitoring Teams as of 19:30, 3 December 2019. All times are in Eastern European Time.

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

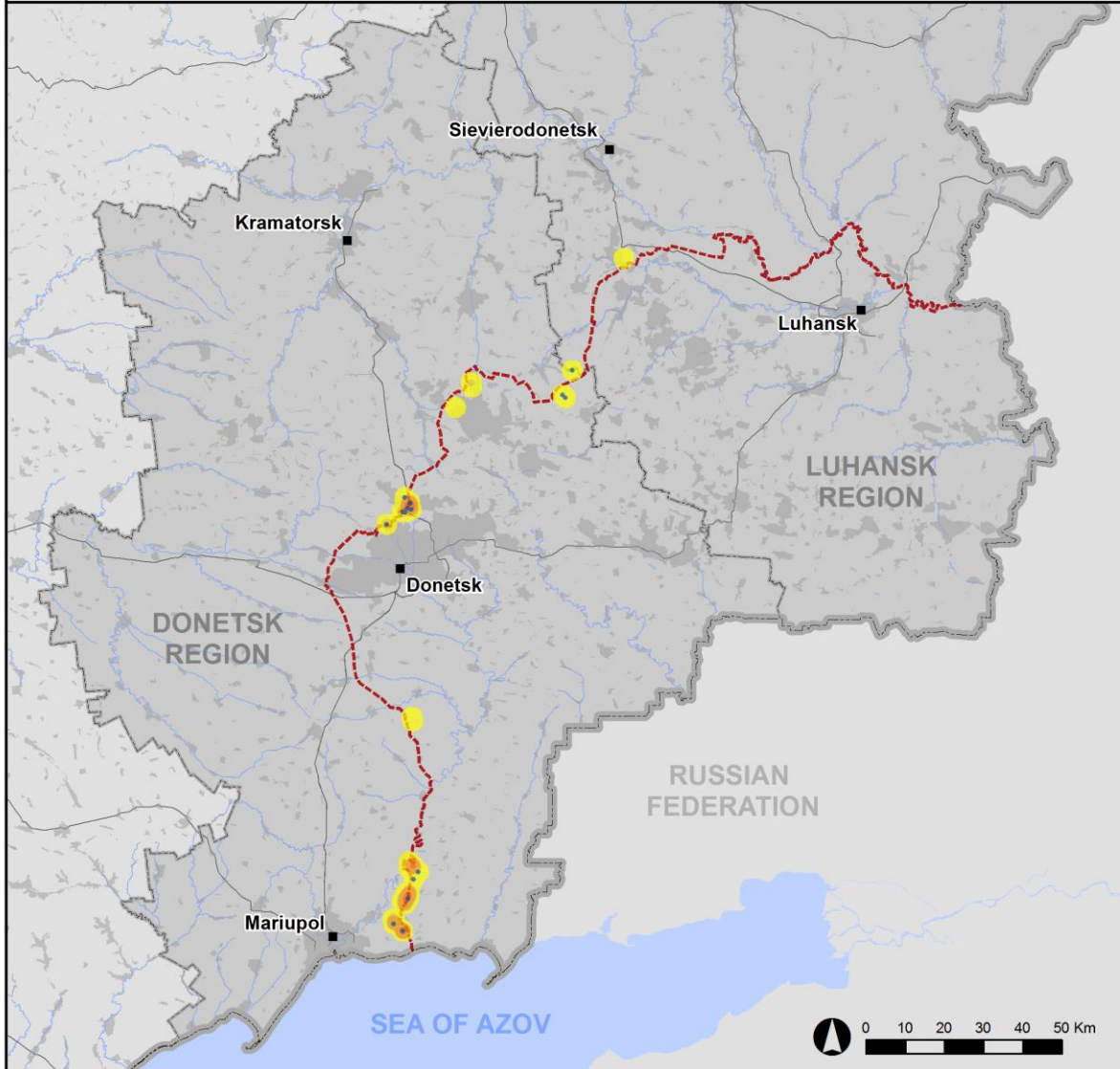
³ Including explosions.

⁴ Including from unidentified weapons.

Map of recorded ceasefire violations

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

Ceasefire violations observed by the SMM 3 December 2019



Ceasefire violation concentration

- High
-
- Low
- 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: 04/12/2019

In Donetsk region, the SMM recorded fewer ceasefire violations, including fewer explosions (about 65), compared with [the previous reporting period](#) (about 85 explosions). The majority of ceasefire violations were recorded at easterly and south-easterly directions of Hnutove (government-controlled, 90km south of Donetsk), southerly and south-westerly directions of the Donetsk Filtration Station (DFS) (15km north of Donetsk), including 16 within a range of 0.2-1km from the DFS, and in areas north of Shyrokyne (government-controlled, 100km south of Donetsk).

In Luhansk region, the Mission recorded four ceasefire violations, including two explosions, compared with no ceasefire violations during [the previous reporting period](#). The ceasefire violations were recorded in areas east-north-east of Zolote (government-controlled, 60km west of Luhansk) and west of Yuzhna-Lomuvatka (non-government-controlled, 60km west of Luhansk).

Disengagement areas near Petrivske, Zolote and Stanytsia Luhanska ⁵

On 1 December, outside **the disengagement area near Petrivske** (non-government-controlled, 41km south of Donetsk), an SMM mini-unmanned aerial vehicle (UAV) [again](#) spotted 50 anti-tank mines in two rows in fields about 200m east of the area's eastern edge, assessed as belonging to the armed formations.

On 2 December, inside the disengagement area near Petrivske, an SMM mid-range UAV [again](#) spotted about 200 anti-tank mines (TM-62) laid in two rows running north to south, about 900m east of the area's western edge, assessed as belonging to the Ukrainian Armed Forces. A mid-range UAV also spotted at least seven persons dressed in blue and white and an excavator at a [previously reported](#) position in the central part of the disengagement area.

Also inside the disengagement area, an SMM mid-range UAV spotted at least 50 anti-tank mines which form part of a minefield stretched from about 400m west of the area's eastern edge eastwards, assessed as belonging to the armed formations (for previous observations in this area, see [SMM Daily Report 22 November 2019](#)). An SMM long-range UAV also spotted three persons in a [previously reported](#) position in the area's south-eastern corner.

On the same day, outside the disengagement area, on the road between Bohdanivka (government-controlled, 41km south-west of Donetsk) and Viktorivka (non-government-controlled, 42km south-west of Donetsk), which runs along the northern edge of the Petrivske disengagement area, a mid-range UAV [again](#) spotted at least nine anti-tank mines which form part of a previously reported minefield, assessed as belonging to the Ukrainian Armed Forces. It also spotted at least 200 anti-tank mines which form part of the same minefield and extends about 350m south inside the disengagement area. About 1.6km east of Bohdanivka, an SMM mini-UAV spotted repair works to the road (where previously a trench cut through it) between Bohdanivka and Viktorivka (for previous observations, see [SMM Daily Report 3 December 2019](#)). An SMM mid-range UAV spotted an infantry fighting vehicle (BMP-2) and a probable armoured combat vehicle in a treeline about 700m south of the disengagement area's southern edge, as well as an armoured personnel carrier (MT-LB) about 1.3km further east, all near positions of the Ukrainian Armed Forces.

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

Also outside the disengagement area, on 2 December, an SMM mid-range UAV [again](#) spotted at least 16 anti-tank mines about 100m north of the area's northern edge and about 1km north-west of Petrivske, assessed as belonging to the armed formations. A mid-range UAV also spotted for the first time probable anti-tank mines (TM-62) laid in a field in two rows in a north-west to south-east direction for about 150m about 2.6km north of the disengagement area's northern edge.

On the evening of 2 December, the SMM camera in Zolote, recorded two projectiles in flight at an assessed range of 2-4km east-north-east, assessed as outside **the disengagement area near Zolote**.

On 3 December, inside the disengagement area near Zolote, the SMM saw 12 workers and a truck on road T-1316 enter the area at its southern edge, partially loading piles of cut vegetation onto the truck and burning the remaining cut vegetation. About 50m north of the area's southern edge, on the eastern side of road T-1316, the SMM also saw three deminers, three members of the armed formations (wearing armbands with "JCCC" [Joint Centre for Control and Co-ordination] written on them), two vehicles and two engineers from a water company based in non-government-controlled areas reportedly inspecting a leaking water pipe.

Inside **the disengagement area near Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk), the SMM observed a calm situation.

Indications of military and military-type presence in the security zone⁶

The SMM observed armoured combat vehicles inside the security zone on both sides of the contact line, including in residential areas (for further details, see the table below).

Presence of mines near Styła and demining activities near Kryva Luka

On 2 December, an SMM mid-range UAV [again](#) spotted at least 300 anti-tank mines in a field, about 4.5km south-south-west of Styła (non-government-controlled, 34km south of Donetsk), assessed as belonging to the armed formations.

On 3 December, in the vicinity of Kryva Luka (government-controlled, 98km north of Donetsk), the SMM saw three cars and a member of an international demining organization, and saw for the first time a mine hazard sign, another sign stating that demining activities were underway, and a sign with information about the international organization carrying out demining activities in the area.

SMM facilitation of the operation of critical civilian infrastructure

The SMM monitored adherence to a localized ceasefire to facilitate drilling of water wells near Pankivka (non-government-controlled, 16km north of Luhansk). It continued to facilitate the operation of the DFS.

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

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 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 a checkpoint about 1.4km south of Nova Marivka (non-government-controlled, 64km south of Donetsk), two armed members of the armed formations denied the SMM passage west towards Staromarivka (62km south of Donetsk), citing “mines and related security concerns in the area”.

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 civilian movement, through failure to conduct comprehensive clearance of mines, UXO and other obstacles.

Other impediments:

- On 2 December, an SMM long-range UAV experienced dual signal interference, assessed as caused by jamming, while flying over areas between Pervomaiske (government-controlled, 17km north-west of Donetsk) and Staromykhailivka (non-government-controlled, 15km west of Donetsk) and between Starobesheve (non-government-controlled, 32km south-east of Donetsk) and Yenakiieve (non-government-controlled, 41km north-east of Donetsk). The same UAV also experienced signal interference, assessed as due to probable jamming, while flying near Myronivskiyi (government-controlled, 62km north-east of Donetsk) and between Staromykhailivka and Mykolaivka (government-controlled, 40km south of Donetsk).⁷
- On 3 December, an SMM mini-UAV experienced signal interference on two occasions, assessed as caused by probable jamming, while flying in the vicinity of Bohdanivka (government-controlled, 41km south-west of Donetsk).

⁷ The interference could have originated from anywhere within a radius of kilometres from the UAVs' positions.

- On 3 December, an SMM mini-UAV experienced signal interference on three occasions, assessed as caused by probable jamming, while flying in the vicinity of Dokuchaievsk (non-government-controlled, 30km south-west of Donetsk).

Table of weapons

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

Date	No.	Type	Location	Source of observation
Government-controlled areas				
2/12/2019	1	Self-propelled anti-aircraft system (ZSU-23-4 <i>Shilka</i> , 23mm)	In a residential area of Bohdanivka (41km south-west of Donetsk)	Long-range UAV
	6	Infantry fighting vehicle (BMP variant)		
	1	Armoured combat vehicle	Near Novotroitske (36km south-west of Donetsk)	
	2	Infantry fighting vehicle (BMP variant)	Near Berezove (31km south-west of Donetsk)	
	1	Armoured reconnaissance vehicle (BRDM-2)	Near Bila Hora (54km north of Donetsk)	
3/12/2019	3	Armoured reconnaissance vehicle (BRDM-2)	Maiorsk (45km north-east of Donetsk)	SMM Camera
Non-government-controlled areas				
2/12/2019	1	Armoured personnel carrier (MT-LB)	Near Kalynove-Borshchuvate (61km west of Luhansk)	Long-range UAV

⁸ 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 3 December 2019⁹

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	2-4km SE	Recorded	1	Projectile	WNW to ESE	N/K	3-Dec, 01:09
	2-4km SE	Recorded	10	Projectile	W to E	N/K	3-Dec, 04:11
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	2-4km SSE	Recorded	1	Muzzle flash		N/K	2-Dec, 18:57
	2-4km SSE	Recorded	1	Projectile	SW to NE	N/K	2-Dec, 18:57
	1-2km SE	Recorded	2	Projectile	W to E	N/K	2-Dec, 19:19
	1-2km SE	Recorded	1	Projectile	In vertical flight	N/K	2-Dec, 19:19
	2-4km SE	Recorded	4	Projectile	In vertical flight	N/K	2-Dec, 19:58
	2-4km SE	Recorded	1	Projectile	NNE to SSW	N/K	2-Dec, 21:36
	4-6km SE	Recorded	1	Explosion	Undetermined	N/K	2-Dec, 22:18
	2-4km SE	Recorded	3	Projectile	SW to NE	N/K	2-Dec, 22:25
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	2-Dec, 22:31
	2-4km SE	Recorded	2	Projectile	SW to NE	N/K	2-Dec, 22:45
	2-4km SE	Recorded	1	Projectile	SW to NE	N/K	2-Dec, 23:16
	2-4km SE	Recorded	11	Projectile	SW to NE	N/K	3-Dec, 03:08
	2-4km SE	Recorded	30	Projectile	SW to NE	N/K	3-Dec, 03:25
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	3-Dec, 03:25
	2-4km SE	Recorded	2	Projectile	SW to NE	N/K	3-Dec, 03:26
	2-4km SE	Recorded	1	Projectile	SW to NE	N/K	3-Dec, 03:48
2-4km SE	Recorded	10	Projectile	SW to NE	N/K	3-Dec, 05:12	
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	0.5-1.5km SSW	Recorded	8	Projectile	NW to SE	N/K	2-Dec, 18:34
	1-2km SSW	Recorded	8	Projectile	NW to SE	N/K	2-Dec, 18:34
	1-2km SSW	Recorded	8	Projectile	NW to SE	N/K	2-Dec, 18:36
	1-2km S	Recorded	2	Projectile	W to E	N/K	2-Dec, 18:36
	0.5-1km SSW	Recorded	1	Projectile	In vertical flight	N/K	2-Dec, 18:52
	300-500m S	Recorded	1	Explosion	Undetermined	N/K	2-Dec, 18:52
	0.5-1km SSW	Recorded	3	Muzzle flash		N/K	2-Dec, 19:02
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	2-Dec, 19:11
	300-800m S	Recorded	1	Projectile	N to S	N/K	2-Dec, 21:31
		Recorded	1	Muzzle flash		N/K	2-Dec, 21:35
		Recorded	1	Projectile	N to S	N/K	2-Dec, 21:35
		Recorded	1	Projectile	N to S	N/K	2-Dec, 21:35
	0.5-1km SSW	Recorded	3	Projectile	NW to SE	N/K	2-Dec, 22:01
	300-800m SSW	Recorded	1	Projectile	NW to SE	N/K	2-Dec, 22:08
		Recorded	1	Projectile	NW to SE	N/K	2-Dec, 22:29
	200-500m SSW	Recorded	1	Projectile	NW to SE	N/K	2-Dec, 22:31
	500-800m S	Recorded	3	Muzzle flash		N/K	2-Dec, 23:00
		Recorded	1	Projectile	NNE to SSW	N/K	2-Dec, 23:00
		Recorded	5	Muzzle flash		N/K	3-Dec, 03:21

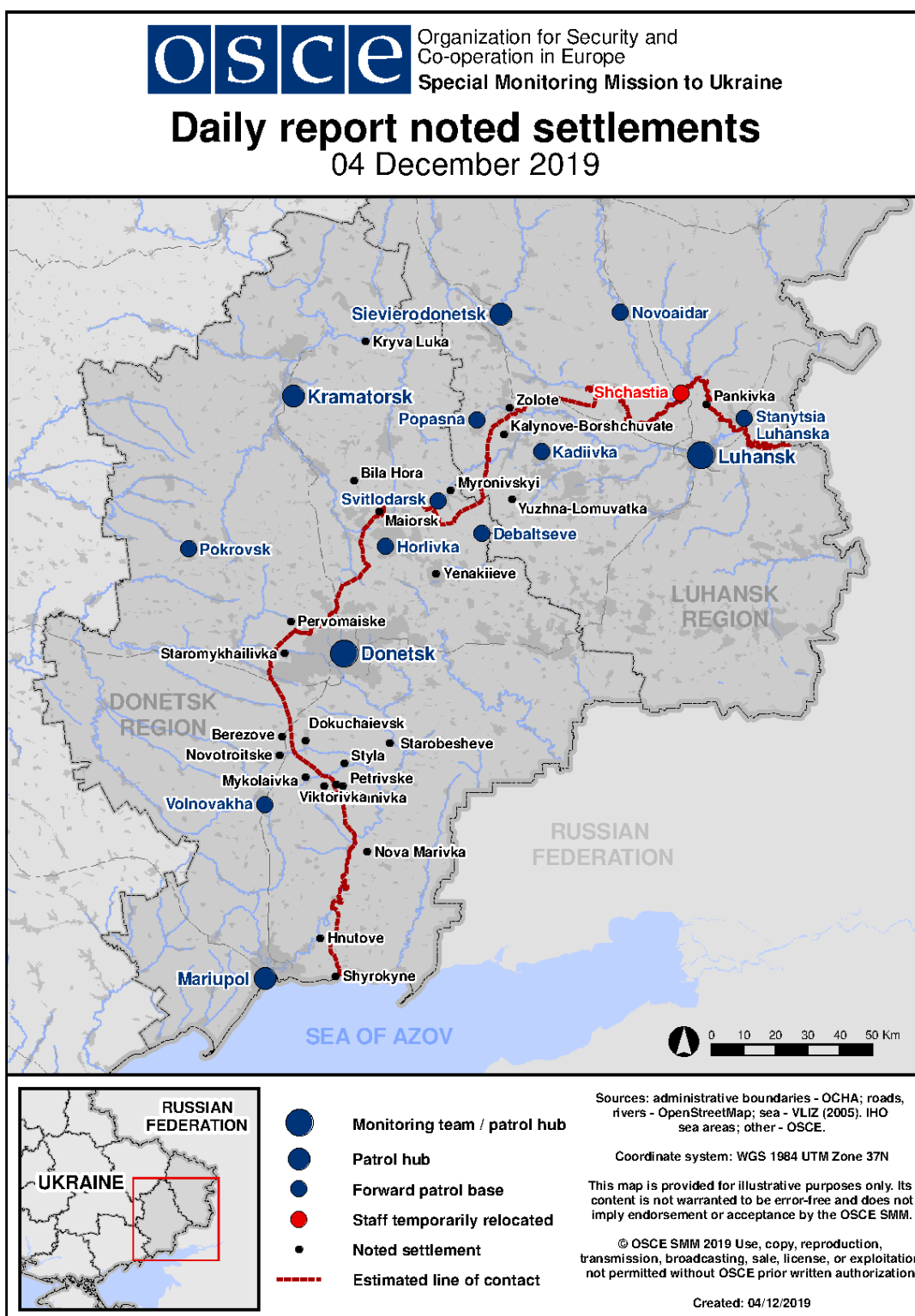
⁹ The table only includes ceasefire violations directly observed by the SMM and it may include those also assessed to be live-fire exercises, controlled detonations, etc. Details provided – in terms of distance, direction, weapons-type, etc. – are based on assessments provided by monitors on the ground, 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.

	300-500m SSW	Recorded	14	Projectile	SE to NW	N/K	3-Dec, 03:27
	1-2km SSW	Recorded	1	Projectile	In vertical flight	N/K	3-Dec, 03:27
	300-500m SSW	Recorded	4	Muzzle flash		N/K	3-Dec, 03:52
	1-3km SSW	Recorded	1	Explosion	Undetermined	N/K	3-Dec, 04:03
	300-800m S	Recorded	1	Explosion	Impact	N/K	3-Dec, 04:19
		Recorded	4	Projectile	WNW to ESE	N/K	3-Dec, 04:19
	300-500m S	Recorded	4	Explosion	Undetermined	N/K	3-Dec, 04:25
		Recorded	1	Explosion	Outgoing	N/K	3-Dec, 04:26
		Recorded	1	Projectile	W to E	N/K	3-Dec, 04:26
	0.8-1.5km S	Recorded	1	Projectile	W to E	N/K	3-Dec, 04:30
	500-800m S	Recorded	1	Projectile	W to E	N/K	3-Dec, 04:38
	300-800m S	Recorded	3	Explosion	Outgoing	N/K	3-Dec, 04:38
	300-500m S	Recorded	1	Explosion	Outgoing	N/K	3-Dec, 04:47
		Recorded	1	Projectile	W to E	N/K	3-Dec, 04:47
	0.5-1km SSW	Recorded	1	Projectile	NW to SE	N/K	3-Dec, 16:52
	0.5-1km SSW	Recorded	1	Projectile	NW to SE	N/K	3-Dec, 17:08
	0.5-1km SSW	Recorded	1	Projectile	NW to SE	N/K	3-Dec, 17:10
	0.5-1km SSW	Recorded	2	Projectile	NW to SE	N/K	3-Dec, 17:11
	0.5-1km SSW	Recorded	2	Projectile	NW to SE	N/K	3-Dec, 17:12
	0.5-1km S	Recorded	1	Projectile	WNW to ESE	N/K	3-Dec, 17:12
	0.8-1.5km S	Recorded	5	Muzzle flash		N/K	3-Dec, 17:15
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	2-4km ESE	Recorded	5	Projectile	SSW to NNE	N/K	2-Dec, 19:07
	2-4km ESE	Recorded	4	Projectile	SSW to NNE	N/K	2-Dec, 19:08
	2-4km SE	Recorded	2	Projectile	NNE to SSW	N/K	2-Dec, 19:19
	2-4km ESE	Recorded	7	Projectile	SSW to NNE	N/K	2-Dec, 19:20
	2-4km ESE	Recorded	8	Projectile	SSW to NNE	N/K	2-Dec, 19:31
	2-4km SE	Recorded	2	Muzzle flash		N/K	2-Dec, 19:31
	3-5km ESE	Recorded	2	Projectile	NNE to SSW	N/K	2-Dec, 20:36
	3-5km ESE	Recorded	3	Projectile	SW to NE	N/K	2-Dec, 20:37
	3-5km ESE	Recorded	1	Projectile	NNE to SSW	N/K	2-Dec, 20:55
	3-5km ESE	Recorded	1	Projectile	SW to NE	N/K	2-Dec, 21:09
	3-5km SE	Recorded	1	Projectile	NNE to SSW	N/K	2-Dec, 21:15
	3-5km SE	Recorded	4	Projectile	WSW to ENE	N/K	2-Dec, 21:15
	3-5km ESE	Recorded	3	Explosion	Undetermined	N/K	2-Dec, 22:18
	3-5km ESE	Recorded	2	Explosion	Undetermined	N/K	2-Dec, 22:19
	3-5km ESE	Recorded	2	Explosion	Undetermined	N/K	2-Dec, 22:21
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	2-Dec, 22:36
	3-5km ESE	Recorded	1	Muzzle flash		N/K	2-Dec, 22:55
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	2-Dec, 22:55
	3-5km E	Recorded	46	Projectile	In vertical flight	N/K	2-Dec, 23:19
	3-5km SE	Recorded	3	Projectile	In vertical flight	N/K	2-Dec, 23:19
	3-5km SE	Recorded	3	Projectile	NNE to SSW	N/K	2-Dec, 23:30
	3-5km SE	Recorded	2	Projectile	WSW to ENE	N/K	2-Dec, 23:33
	3-5km ESE	Recorded	3	Projectile	WSW to ENE	N/K	2-Dec, 23:55
	3-5km ESE	Recorded	4	Projectile	SSW to NNE	N/K	3-Dec, 00:00
	3-5km ESE	Recorded	2	Muzzle flash		N/K	3-Dec, 00:00
	3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	3-Dec, 00:01
	3-5km SE	Recorded	7	Projectile	SSW to NNE	N/K	3-Dec, 00:29

	3-5km SE	Recorded	2	Projectile	SSW to NNE	N/K	3-Dec, 01:55
	3-5km SE	Recorded	2	Projectile	SW to NE	N/K	3-Dec, 01:58
	3-5km ESE	Recorded	2	Projectile	SW to NE	N/K	3-Dec, 03:13
	3-5km SE	Recorded	10	Projectile	SW to NE	N/K	3-Dec, 03:34
	3-5km ESE	Recorded	1	Projectile	SW to NE	N/K	3-Dec, 03:40
	2-4km E	Recorded	1	Projectile	SSW to NNE	N/K	3-Dec, 17:33
SMM camera E of Lomakyne (government-controlled, 93km S of Donetsk)	2-4km E	Recorded	8	Projectile	SW to NE	N/K	2-Dec, 20:40
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	2-Dec, 20:40
	2-4km E	Recorded	6	Projectile	SW to NE	N/K	2-Dec, 20:59
	2-4km E	Recorded	7	Projectile	SW to NE	N/K	2-Dec, 21:06
	3-4km E	Recorded	2	Projectile	S to N	N/K	2-Dec, 21:06
	3-4km ENE	Recorded	3	Projectile	S to N	N/K	2-Dec, 21:55
	2-4km E	Recorded	1	Projectile	NNW to SSE	N/K	2-Dec, 22:03
	2-4km ENE	Recorded	3	Projectile	N to S	N/K	2-Dec, 23:03
	2-4km ENE	Recorded	2	Projectile	NNW to SSE	N/K	2-Dec, 23:04
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	2-Dec, 23:13
	2-4km ENE	Recorded	3	Projectile	NNW to SSE	N/K	2-Dec, 23:15
	2-4km ENE	Recorded	4	Projectile	NNW to SSE	N/K	2-Dec, 23:16
	3-4km ENE	Recorded	1	Projectile	In vertical flight	N/K	2-Dec, 23:33
	2-4km E	Recorded	3	Projectile	SW to NE	N/K	2-Dec, 23:49
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-4km ENE	Recorded	6	Projectile	NW to SE	N/K	2-Dec, 20:48
	2-4km ENE	Recorded	1	Projectile	NW to SE	N/K	2-Dec, 20:51
	2-4km E	Recorded	1	Projectile	NW to SE	N/K	2-Dec, 21:01
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	3-Dec, 00:36
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	2-4km NNE	Recorded	1	Projectile	W to E	N/K	3-Dec, 00:15
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	3-Dec, 00:17
	2-4km NNE	Recorded	1	Explosion	Impact	N/K	3-Dec, 00:17
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	3-Dec, 04:09
	2-4km NNE	Recorded	10	Projectile	W to E	N/K	3-Dec, 04:09
SMM camera in Petrivske (non-government-controlled, 41km S of Donetsk)	300-800m S	Recorded	1	Projectile	WNW to ESE (unable to assess whether inside or outside the disengagement area)	N/K	26-Nov, 23:28
	300-600m NNW	Recorded	2	Projectile	SW to NE (assessed as outside the disengagement area)	N/K	27-Nov, 20:10
SMM camera at entry-exit checkpoint in Pyshchevyk (government-controlled, 84km S of Donetsk)	3-4km ENE	Recorded	3	Explosion	Undetermined	N/K	2-Dec, 20:34
	3-4km ENE	Recorded	1	Explosion	Undetermined	N/K	2-Dec, 20:44
	3-4km ENE	Recorded	1	Projectile	WSW to ENE	N/K	2-Dec, 20:57
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	5-7km N	Recorded	17	Projectile	E to W	N/K	2-Dec, 18:33
	5-7km N	Recorded	6	Projectile	E to W	N/K	2-Dec, 18:34
	5-7km N	Recorded	5	Projectile	E to W	N/K	2-Dec, 18:35
	5-7km N	Recorded	9	Projectile	E to W	N/K	2-Dec, 18:36
	5-7km N	Recorded	1	Projectile	W to E	N/K	2-Dec, 18:36
	5-7km N	Recorded	13	Projectile	E to W	N/K	2-Dec, 18:37
	5-7km N	Recorded	3	Projectile	W to E	N/K	2-Dec, 18:37
	5-7km N	Recorded	3	Projectile	E to W	N/K	2-Dec, 18:38

	5-7km N	Recorded	5	Muzzle flash		N/K	2-Dec, 18:39
	5-7km N	Recorded	8	Projectile	E to W	N/K	2-Dec, 18:39
	5-7km N	Recorded	3	Projectile	W to E	N/K	2-Dec, 18:46
	5-7km N	Recorded	1	Explosion	Airburst	N/K	2-Dec, 18:47
	5-7km N	Recorded	6	Projectile	SW to NE	N/K	2-Dec, 18:57
	5-7km N	Recorded	1	Explosion	Impact	N/K	2-Dec, 18:57
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	2-3km SSE	Heard	2	Explosion	Undetermined	N/K	3-Dec, 09:50
About 4km NW of Debaltseve (non-government-controlled, 58km NE of Donetsk)	2-3km NW	Heard	1	Explosion	Undetermined	N/K	3-Dec, 13:30
	3-4km NW	Heard	1	Explosion	Undetermined	N/K	3-Dec, 13:43
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km SW	Heard	8	Explosion	Undetermined	AGL	3-Dec, 13:05
	2-3km SW	Heard	20	Explosion	Undetermined	AGL	3-Dec, 13:09
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	3-5km S	Heard	2	Explosion	Undetermined	N/K	3-Dec, 10:52
Horlivka (non-government-controlled, 39km NE of Donetsk)	1-3km W	Heard	4	Shot		Small arms	3-Dec, 11:14
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2-4km ENE	Recorded	2	Projectile	WNW to ESE (assessed as outside the disengagement area)	N/K	2-Dec, 22:10
W edge of Yuzhna-Lomuvatka (non-government-controlled, 60km W of Luhansk)	10-15km W	Heard	2	Explosion	Undetermined	N/K	3-Dec, 10:34-10:50

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).