

Daily Report 257/2019

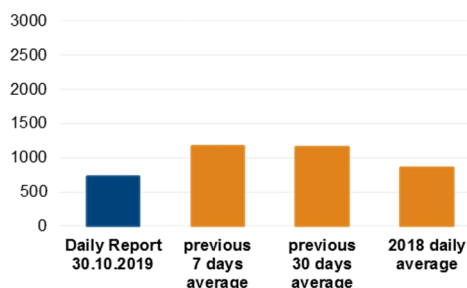
30 October 2019¹

Summary

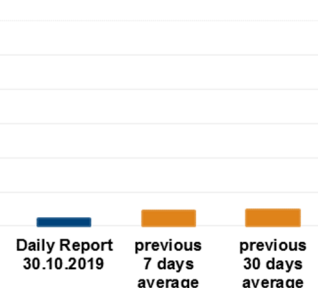
- Compared with the previous reporting period, the SMM recorded more ceasefire violations in Donetsk and fewer in Luhansk regions.
- The Mission observed the beginning of the disengagement process at the Zolote disengagement area.
- Small-arms fire was assessed as directed at an SMM mini-unmanned aerial vehicle near government-controlled Arkhanhelske.
- Inside the Stanytsia Luhanska disengagement area, the Mission continued to observe construction works at the broken section of the bridge.
- The SMM recorded ceasefire violations and observed military and military-type presence inside the Petrivske disengagement area.
- The Mission observed weapons in violation of withdrawal lines on both sides of the contact line.
- The SMM saw for the first time anti-tank mines near non-government-controlled Dokuchaievsk and unexploded ordnance in non-government-controlled Yasynuvata.
- The SMM monitored adherence to the ceasefire to facilitate repairs to 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 Oleksandrivske, Novoazovsk and Bezimenne.*

Ceasefire violations²

Number of recorded ceasefire violations³



Number of recorded explosions⁴



¹ Based on information from the Monitoring Teams as of 19:30, 29 October 2019. All times are in Eastern European Time.

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

³ Including explosions.

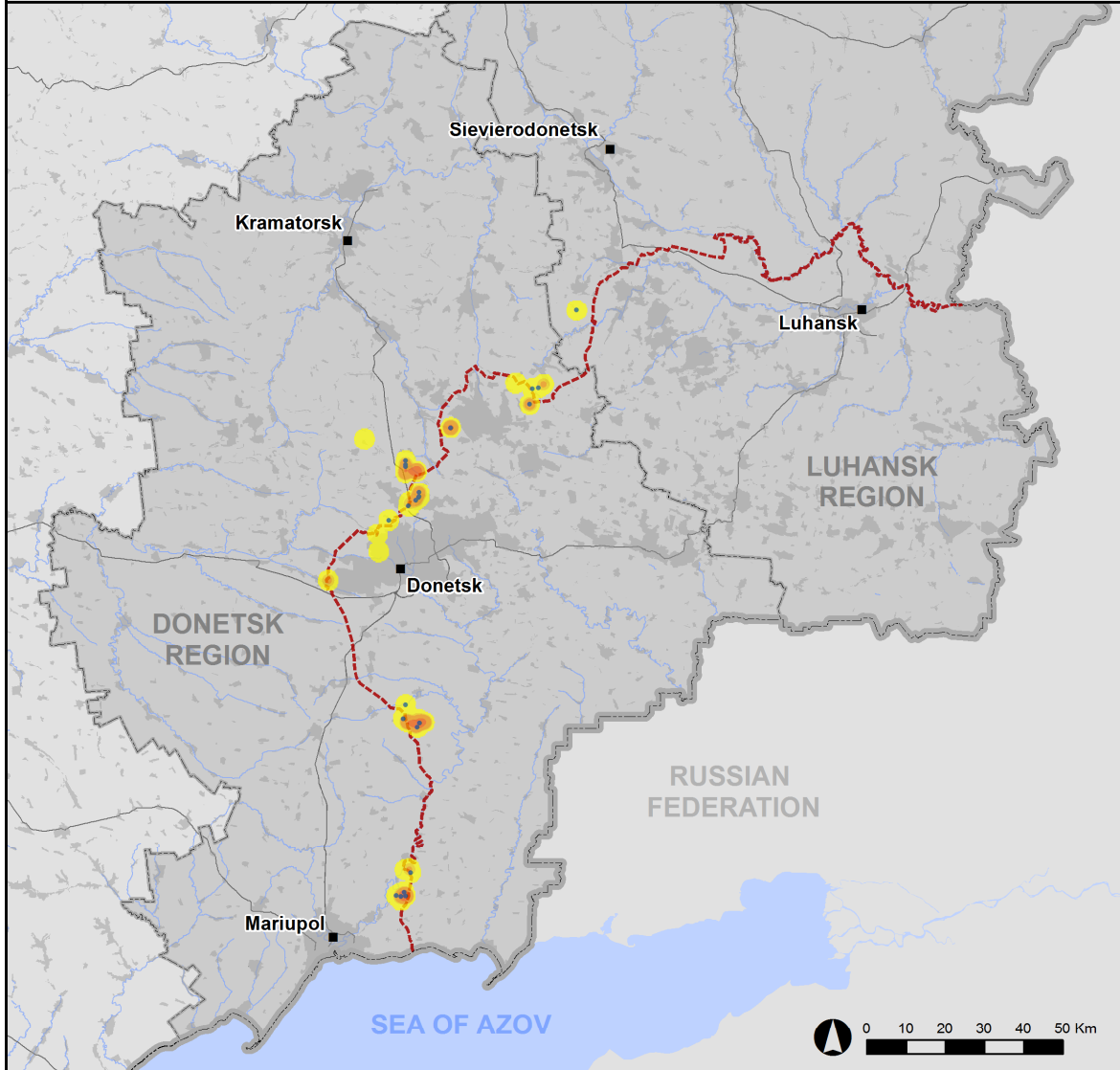
⁴ Including from unidentified weapons.

Map of recorded ceasefire violations

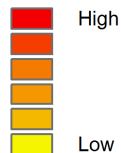


Organization for Security and
Co-operation in Europe
Special Monitoring Mission to Ukraine

Ceasefire violations observed by the SMM 29 October 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: 30/10/2019

In Donetsk region, the SMM recorded more ceasefire violations, including more explosions (100), compared with the [previous reporting period](#) (55 explosions). The majority of ceasefire violations were recorded in areas north and north-east of Kamianka (government-controlled, 20km north of Donetsk) and at southerly direction of Pyshechivk (government-controlled, 84km south of Donetsk).

In Luhansk region, the Mission recorded fewer ceasefire violations, all explosions (four), compared with the [previous reporting period](#) (no explosions). All ceasefire violations were recorded in areas south-west of Molodizhne (non-government-controlled, 63km west of Luhansk).

Disengagement process at the Zolote disengagement area⁵

On 29 October, the SMM observed the [beginning of the disengagement process at the disengagement area near Zolote](#) (government-controlled, 60km west of Luhansk). Positioned about 100m north-west of the railway bridge and on the area's southern edge, the Mission saw the launch of white flares by the Ukrainian Armed Forces and by the armed formations, at 12:00 and 12:03 respectively, indicating their willingness to disengage. From the same locations, the SMM saw two green flares - one launched by Ukrainian Armed Forces and one launched by the armed formations, at 12:15 and 12:17 respectively, signalling the beginning of disengagement.

On the same day, at 13:00, positioned on the northern edge of the Zolote disengagement area, the SMM saw 15 Ukrainian Armed Forces personnel exiting the area on board of three military trucks: they headed north on road T-1316 to an area about 300m north of the disengagement area. At this location, the SMM saw the aforementioned personnel disembarking the trucks with their weapons (AK-type assault rifles) and walking towards the eastern and western sides of the road.

At 14:17, the SMM saw six members of the armed formations heading south towards Pervomaisk (non-government-controlled, 58km west of Luhansk) aboard of a truck, together with their weapons (AK-type assault rifles), from the checkpoint of the armed formations on the southern edge of the disengagement area.

On 28 October, inside the disengagement area, an SMM mini-unmanned aerial vehicle (UAV) [again](#) spotted about 100 anti-tank mines laid in fields extending west and east from road T-1316, assessed as belonging to the armed formations. In addition, within a 50m radius of the SMM camera, the UAV also spotted six signs assessed as mine hazard signs (three of them seen since 28 August 2019).

Small-arms fire assessed as directed at an SMM mini-UAV near government-controlled Arkhanhelske

While conducting a mini-UAV flight near Arkhanhelske (government-controlled, 32km north of Donetsk), the SMM heard five bursts of small-arms fire at an assessed range of 500-700m south-east, assessed as aimed at the UAV, which was flying about 700m south-east from the SMM's location.*

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

Disengagement areas near Stanytsia Luhanska and Petrivske⁶

On 29 October, inside the **disengagement area near Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk), the Mission observed 14 workers from government-controlled areas near the broken section of the bridge pouring concrete into the mould for the abutment of the bridge. The SMM saw additional seven workers from government-controlled areas clearing vegetation on the western side of the section of the road inside the area between the broken section of the bridge and the entry-exit checkpoint (EECP). Positioned about 300m north of the broken section of the bridge, the SMM heard a shot of small-arms fire about 200m south, assessed as caused by the detonation of ammunition in a bush fire at the same location. Shortly after, the Mission saw that personnel of the Stanytsia Luhanska Fire Department had extinguished the fire.

On the same day, the SMM saw six workers from non-government-controlled areas clearing and burning vegetation in areas west of the checkpoint of the armed formations south of the bridge and laying gravel and asphalt in the parking areas near the checkpoint and a shelter of an international humanitarian organization. The Mission also saw at least six 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.

Inside the **disengagement area near Petrivske** (non-government-controlled, 41km south of Donetsk), on 28 October, an SMM mini-UAV spotted an automatic grenade launcher (AGL-17 *Plamya*, 30mm), an ammunition box and about 14 persons, assessed as Ukrainian Armed Forces personnel, about 2km east of the disengagement areas western edge. The same UAV also spotted five persons, assessed as members of the armed formations and infantry fighting vehicle (IFV) (BMP-variant) in a south-eastern part of the disengagement area. On the same day, another SMM-mini [again](#) spotted a heavy machine gun, near the area’s northern edge, assessed as belonging to the armed formations.

Outside the disengagement area, on 28 October, an SMM mini-UAV again spotted a [previously observed](#) trench (of which 90m extends into the disengagement area) and in it, a person, assessed as a member of the armed formations, as well as seven green ammunition crates next to a military-type position nearby. About 100m west of the trench, the UAV [again](#) spotted 16 anti-tank mines about 100m north of the northern-eastern edge of the disengagement area. The UAV also spotted eight persons, assessed as Ukrainian Armed Forces personnel, with assault rifles, about 300m west of the area’s western edge.

On 28 October, the SMM saw a mast with a camera atop about 500m west of the disengagement area’s north-western edge (seen for the first time on 21 October). A representative of the Ukrainian Armed Forces to the Joint Centre for Control and Co-ordination (JCCC) told the Mission that the Ukrainian Armed Forces had been installing it.

On 29 October, positioned about 2km north of Petrivske, the SMM heard shots and bursts of small-arms fire at an assessed range of 2-4km south-west, assessed as inside the disengagement area. Positioned at the same location and about 2km north-east of Bohdanivka (government-controlled, 41km south-west of Donetsk) the SMM heard 42 shots and bursts of small-arms and heavy-machine gun fire, as well as eight undetermined explosions, all assessed as outside the disengagement area, but within its 5km periphery.

⁶ Disengagement is foreseen in the [Framework Decision of the Trilateral Contact Group relating to disengagement of forces and hardware](#) of 21 September 2016.

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 four weapons in violation of withdrawal lines in government-controlled areas of Donetsk region and in non-government-controlled areas of Luhansk region. It also observed 11 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).

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 in both Donetsk and Luhansk region, including armoured personnel carriers and IFVs (for further details, see the table below).

On 27 October, an SMM mid-range UAV spotted a 250m-long trench extension of a [previously reported](#) trench, assessed as belonging to the Ukrainian Armed Forces, near Novotroitske (government-controlled, 36km south-west of Donetsk) (aerial imagery showed that, at some points in this area, the distance between the forward positions of the Ukrainian Armed Forces and the armed formations is about 750m).

Presence of mines and damage to civilian buildings near Dokuchaievsk, unexploded ordnance (UXO) in a residential area in Yasynuvata and a rocket-propelled grenade tailfin on the road between Popasna and Pervomaisk

On 27 October, about 6.5km south of Dokuchaievsk (non-government-controlled, 30km south-west of Donetsk), an SMM mid-range UAV spotted about 130 anti-tank mines, some of which seen for the first time, in fields on both sides of a road leading to Mykolaivka (government-controlled, 40km south of Donetsk), about 60m north of a [previously observed](#) 40 anti-tank mines laid across the same road. In a field about 260m north-east of the aforementioned mines, the UAV spotted for the first time 30 anti-tank mines (for previous observations in the area, see [SMM Daily Report 29 October 2019](#)). About 3.5km north-west of aforementioned mines, the UAV also spotted for the first time 21 anti-tank mines laid across a road leading to Dokuchaievsk.

On 29 October, the SMM saw for the first time a (12.7mm) projectile on the ground next to the fence of a residential house in Slovianska Street on the western outskirts of Yasynuvata (non-government-controlled, 16km north-east of Donetsk). A resident of the street told the Mission that the projectile had been lying there for weeks.

On the same day, on road T-0504, leading from Popasna (government-controlled, 69km west of Luhansk) to Pervomaisk, the SMM saw a [previously reported](#) tailfin of a rocket-propelled grenade being moved by a member of the armed formations.

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

SMM facilitation of repairs to civilian infrastructure

The SMM monitored adherence to the ceasefire to facilitate repairs to power lines servicing the Petrivske pumping station near Artema (government-controlled, 26km north of Luhansk), to sewer pipeline near Novoluhanske (government-controlled, 53km north-east of Donetsk), power lines in Vesele (non-government-controlled, 9km north-west of Donetsk), as well as to enable the drilling of wells near Raivka (non-government-controlled, 16km north-west of Luhansk).

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

SMM monitored the security situation in south-east Kherson region

On 27 and 28 October, the Mission observed a calm situation at an entry-exit checkpoint between Chonhar (163km south-east of Kherson) and Crimea.

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

*Restrictions of the SMM's freedom of movement or other impediments to fulfilment of its mandate

The SMM's monitoring and freedom of movement are restricted by security hazards and threats, including risks posed by mines, UXO and other impediments – which vary from day to day. The SMM's mandate provides for safe and secure access throughout Ukraine. All signatories of the Package of Measures have agreed on the need for this safe and secure access, that restriction of the SMM's freedom of movement constitutes a violation, and on the need for rapid response to these violations. They have also agreed that the JCCC should contribute to such response and co-ordinate mine clearance. Nonetheless, the armed formations in parts of Donetsk and Luhansk regions frequently deny the SMM access to areas adjacent to Ukraine's border outside control of the Government (for example, see [SMM Daily Report 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.

Denials:

- At a checkpoint on the eastern edge of Oleksandrivske (formerly Rozy Liuksemburh, non-government-controlled, 90km south-east of Donetsk), two members of the armed formations denied the SMM access west towards Roza (non-government-controlled, 89km south of Donetsk) citing “ongoing exercises in a training area nearby”.
- At a checkpoint on the northern edge of Novoazovsk (non-government-controlled, 102km south-east of Donetsk), three members (two of them armed) of the armed formations [again](#) denied the SMM access south towards Novoazovsk, citing “orders from superiors”.
- At a checkpoint about 2.5km west of Bezimenne (non-government-controlled, 100km south of Donetsk), three armed members of the armed formations again denied the SMM passage west citing “ongoing special operation 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 civilians' movement, through failure to conduct comprehensive clearance of mines, UXO and other obstacles.

Other impediments:

- On the night of 26-27 October, an SMM long-range UAV experienced signal interference, assessed as due to probable jamming, while flying between Stepanivka (government-controlled, 54km north of Donetsk) and Blahovishchenka (government-controlled, 47km south-west of Donetsk), between Ocheretyne (government-controlled, 31km north-west of Donetsk) and Stepanivka, between Oleksandrivka (non-government-controlled, 20km south-west of Donetsk) and Chernenko (government-controlled, 86km south of Donetsk) and between Makedonivka (government-controlled, 86km south of Donetsk) and Hranitne (government-controlled, 78km south-west of Donetsk).⁸
- On 29 October, an SMM mini-UAV and an SMM mid-range UAV experienced signal interference, assessed as due to probable jamming, while flying near Lebedynske (government-controlled, 99km south of Donetsk).
- On 29 October, while conducting a mini-UAV flight near Arkhanhelske (government-controlled, 32km north of Donetsk), the Mission heard five bursts of small-arms fire at an assessed range of 500-700m south-east, assessed as aimed at the UAV. The SMM landed the UAV safely.

⁸ The interference could have originated from anywhere within the radius of kilometres from the UAVs' position.

Table of weapons

Weapons in violation of the withdrawal lines

Date	No.	Type	Location	Source of observation
Government-controlled areas				
26/10/2019	2	Surface-to-air missile systems (9K35 <i>Strela-10</i>)	Near residential buildings on the northern edge of Chernenko (86km south of Donetsk)	Long-range UAV
Non-government-controlled areas				
28/10/2019	2	Probable mortars (2B11 <i>Sani</i> , 120mm)	Near Sentianivka (formerly Frunze, 44km west of Luhansk) (for previous observations, see SMM Daily Report 5 June 2019)	Mini-UAV

Beyond withdrawal lines but outside of designated storage sites

Date	No.	Type	Location	Source of observation
Government-controlled areas				
26/10/2019	1	Surface-to-air missile system (9K35 <i>Strela-10</i>)	In an industrial compound used by the Ukrainian Armed Forces in Mariupol (102km south of Donetsk)	Long-range UAV
29/10/2019	10	Tanks (T-80)	At a railway station in Rubizhne (84km north-west of Luhansk)	Patrol

Table of indications of military and military-type presence in the security zone⁹

Date	No.	Type	Location	Source of observation
Government-controlled areas				
26/10/2019	3	Armoured combat vehicle	Near Krasnohorivka (21km west of Donetsk)	Long-range UAV
	1	Infantry fighting vehicle (BMP variant)		
	1	Armoured personnel carrier		
	2	Infantry fighting vehicle (BMP-1)	Near Slavne (26km south-west of Donetsk)	
	1	Armoured combat vehicle		
	8	Armoured combat vehicle	In and near Bohdanivka (41km south-west of Donetsk), some of which about 70m from residential buildings	
	1	Infantry fighting vehicle (BMP-1)	Near Starohnativka (51km south of Donetsk)	
	2	Armoured combat vehicle		
	1	Armoured combat vehicle		
		1	Infantry fighting vehicle (BMP-1)	
	1	Armoured combat vehicle	Near Hnutove (90km south of Donetsk)	
27/10/2019	1	Armoured combat vehicle	Near Mykolaivka (40km south of Donetsk)	Mid-range UAV
27/10/2019	1	Armoured combat vehicle	Near Novotroitske (36km south-west of Donetsk)	Mid-range UAV

⁹ The hardware mentioned in this section is not proscribed by the provisions of the Minsk agreements on the withdrawal of weapons.

28/10/2019	2	Infantry fighting vehicle (BMP-1)	Near Krymske (42km north-west of Luhansk)	Mini-UAV
	3	Infantry fighting vehicle (BMP-2)	In and near Bohdanivka (41km south-west of Donetsk), some of which close to civilian houses	
	2	Armoured personnel carrier (one MT-LB and one of undetermined variant)		
	2	Armoured reconnaissance vehicle (BRDM- 2)		
	2	Probable armoured combat vehicles	In a residential area in Zolote-4/Rodina (59km west of Luhansk)	
29/10/2019	1	Infantry fighting vehicle (BTR-4)	Near Novobakhmutivka (28km north of Donetsk)	Patrol
	1	Armoured personnel carrier	Outskirts of Hirske (63km west of Luhansk)	
	2	Armoured personnel carrier (one BTR-60 and one <i>Dozor</i> variant)	Near Popasna (69km west of Luhansk)	
Non-government-controlled areas				
28/10/2019	2	Armoured personnel carrier (one BTR-80 and one MT-LB)	In Petrivske (41km south of Donetsk)	Mini-UAV
	1	Combat engineering vehicle (IMR-2)		
26/10/2019	1	Anti-aircraft gun (ZU-23, 23mm)	Inside a defensive positions about 150m south of the southern edge of the Stanytsia Luhanska disengagement area	Mini-UAV

Table of ceasefire violations as of 29 October 2019¹⁰

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	28-Oct, 20:06
	2-4km SSE	Recorded	3	Projectile	ENE to WSW	N/K	28-Oct, 20:09
	2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	28-Oct, 20:10
	2-4km S	Recorded	1	Projectile	ENE to WSW	N/K	28-Oct, 20:13
	2-4km SSE	Recorded	3	Projectile	ENE to WSW	N/K	28-Oct, 20:17
	2-4km S	Recorded	1	Projectile	ENE to WSW	N/K	28-Oct, 20:21
	2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	28-Oct, 20:23
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	28-Oct, 20:33
	2-4km SSE	Recorded	1	Illumination flare	In vertical flight	N/K	29-Oct, 01:35
	3-5km SSE	Recorded	1	Projectile	SE to NW	N/K	29-Oct, 17:49
SMM camera at Donetsk Filtration Station (DFS) (15km N of Donetsk)	0.7-2km SSW	Recorded	1	Projectile	W to E	N/K	28-Oct, 21:03
	0.7-2km SSW	Recorded	1	Explosion	Undetermined	N/K	28-Oct, 21:08
	0.7-2km SSW	Recorded	1	Projectile	E to W	N/K	28-Oct, 22:06
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	2-4km NNE	Recorded	1	Projectile	W to E	N/K	28-Oct, 23:15
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	28-Oct, 23:16
	2-4km NNE	Recorded	4	Projectile	W to E	N/K	28-Oct, 23:17
	2-4km NNE	Recorded	1	Muzzle flash		N/K	28-Oct, 23:18
	2-4km NNE	Recorded	2	Projectile	W to E	N/K	28-Oct, 23:18
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	28-Oct, 23:19
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	28-Oct, 23:21
	2-4km NNE	Recorded	4	Projectile	W to E	N/K	28-Oct, 23:22
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	3-5km NNE	Recorded	2	Explosion	Undetermined, also recorded by the SMM camera at the DFS	N/K	29-Oct, 17:04
SMM camera at entry-exit checkpoint in Pyshevyk (government-controlled, 84km S of Donetsk)	2-4km SSE	Recorded	7	Projectile	E to W	N/K	28-Oct, 18:45
	2-4km SSE	Recorded	16	Projectile	E to W	N/K	28-Oct, 19:16
	2-4km S	Recorded	3	Projectile	W to E	N/K	28-Oct, 19:18
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	28-Oct, 19:18
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	28-Oct, 19:24
	2-4km SSE	Recorded	8	Projectile	E to W	N/K	28-Oct, 19:25
	2-4km S	Recorded	2	Projectile	WNW to ESE	N/K	28-Oct, 19:26
	2-4km S	Recorded	2	Projectile	E to W	N/K	28-Oct, 20:02
	2-4km S	Recorded	3	Projectile	ENE to WSW	N/K	28-Oct, 20:03
	2-4km S	Recorded	1	Projectile	W to E	N/K	28-Oct, 20:03
	2-4km S	Recorded	3	Projectile	ENE to WSW	N/K	28-Oct, 20:04
	1-3km SSE	Recorded	1	Projectile	ENE to WSW	N/K	28-Oct, 20:06
	2-4km SSE	Recorded	3	Projectile	W to E	N/K	28-Oct, 20:08
	1-3km SSE	Recorded	2	Projectile	ENE to WSW	N/K	28-Oct, 20:09
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	28-Oct, 20:09

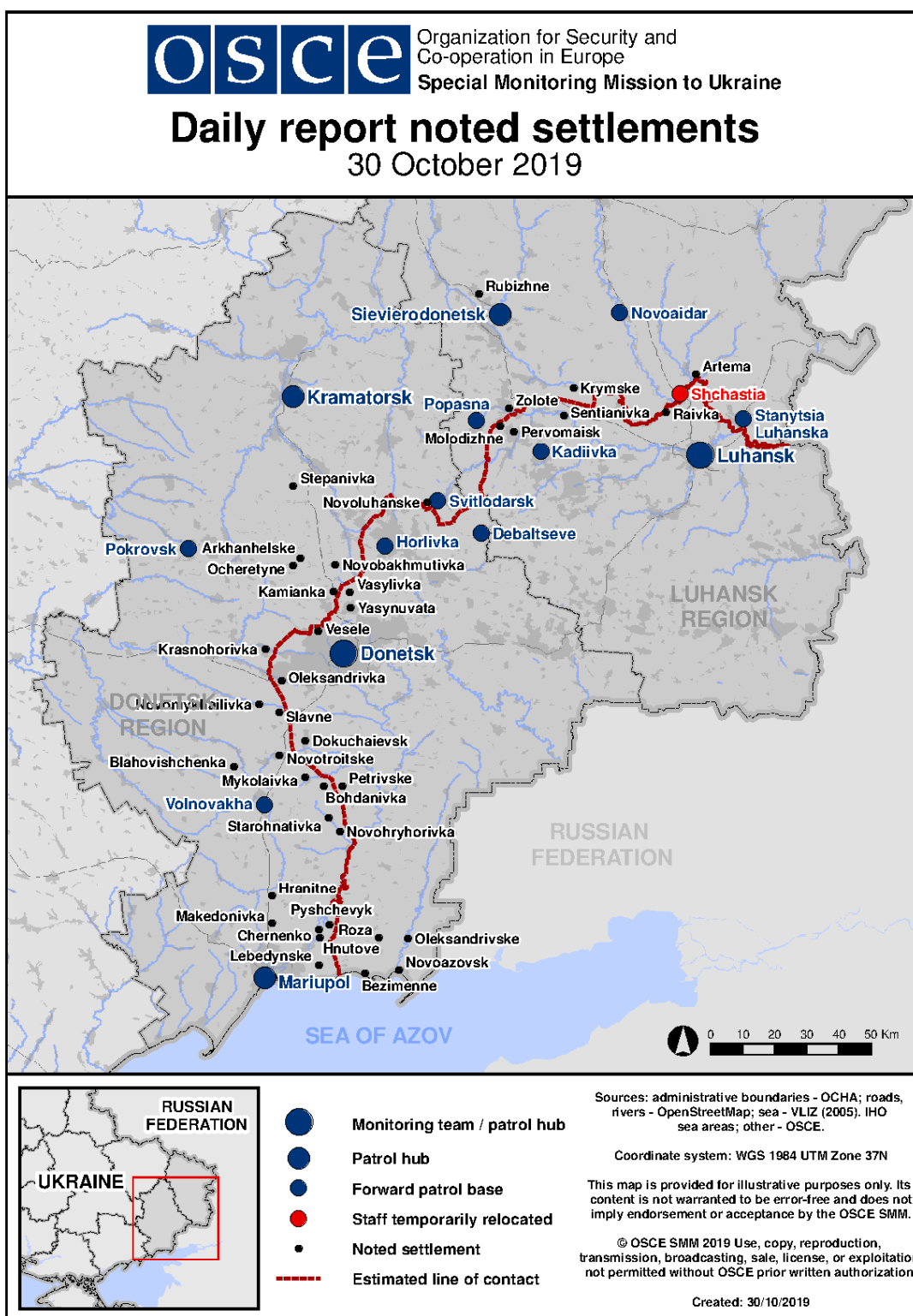
¹⁰ The table only includes ceasefire violations directly observed by the SMM and it may include those also assessed to be live-fire exercises, controlled detonations, etc. Details provided – in terms of distance, direction, weapons-type, etc. – are based on assessments provided by monitors on the ground, 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.

	2-4km S	Recorded	4	Projectile	W to E	N/K	28-Oct, 20:10
	1-3km SSE	Recorded	1	Explosion	Undetermined	N/K	28-Oct, 20:10
	1-3km SSE	Recorded	1	Projectile	ENE to WSW	N/K	28-Oct, 20:10
	1-3km SSE	Recorded	2	Projectile	ENE to WSW	N/K	28-Oct, 20:11
	2-4km S	Recorded	1	Projectile	ENE to WSW	N/K	28-Oct, 20:11
	2-4km S	Recorded	2	Projectile	W to E	N/K	28-Oct, 20:12
	1-3km SSE	Recorded	1	Projectile	ENE to WSW	N/K	28-Oct, 20:13
	1-3km SSE	Recorded	3	Projectile	ENE to WSW	N/K	28-Oct, 20:17
	1-3km SSE	Recorded	1	Projectile	ENE to WSW	N/K	28-Oct, 20:21
	2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	28-Oct, 20:23
	1-3km S	Recorded	2	Projectile	W to E	N/K	28-Oct, 20:30
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	28-Oct, 20:33
	3-5km S	Recorded	1	Projectile	W to E	N/K	28-Oct, 20:36
	2-4km S	Recorded	1	Projectile	W to E	N/K	28-Oct, 20:36
	2-4km SSE	Recorded	9	Projectile	W to E	N/K	28-Oct, 20:37
	2-4km SSE	Recorded	35	Projectile	W to E	N/K	28-Oct, 20:39
	2-4km SSE	Recorded	6	Projectile	W to E	N/K	28-Oct, 20:40
	2-4km S	Recorded	6	Projectile	W to E	N/K	28-Oct, 20:43
	1-3km SSE	Recorded	3	Projectile	ENE to WSW	N/K	28-Oct, 21:02
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	28-Oct, 22:55
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	28-Oct, 23:01
	2-4km S	Recorded	1	Illumination flare	In vertical flight	N/K	28-Oct, 23:49
	2-4km S	Recorded	1	Illumination flare	In vertical flight	N/K	28-Oct, 23:55
	2-4km S	Recorded	2	Projectile	W to E	N/K	29-Oct, 01:06
	2-4km S	Recorded	1	Projectile	W to E	N/K	29-Oct, 01:36
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	29-Oct, 01:36
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	29-Oct, 17:16
About 1km NE of the central railway station in Donetsk city (non-government-controlled, 6km NW of Donetsk city centre)	3-5km W	Heard	7	Burst		HMG	29-Oct, 11:54
6km WNW of Donetsk city centre (non-government-controlled)	2-3km SW	Heard	6	Burst		Small arms	29-Oct, 13:55
About 1km E of Kruta Balka (non-government-controlled, 16km N of Donetsk)	1-2km SW	Heard	9	Burst		HMG	29-Oct, 10:55-11:00
	1-2km SW	Heard	18	Shot		Small arms	29-Oct, 10:55-11:00
	1-2km SW	Heard	2	Explosion	Undetermined	N/K	29-Oct, 10:55-11:00
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	1-1.5km N	Heard	2	Explosion	Undetermined	N/K	29-Oct, 09:15
	1-2km N	Heard	2	Explosion	Undetermined	N/K	29-Oct, 12:10
	2-3km N	Heard	4	Shot		Small arms	29-Oct, 12:35
	2-3km N	Heard	1	Burst		HMG	29-Oct, 12:35
	2-3km N	Heard	16	Burst		HMG	29-Oct, 12:37-12:38
	2-3km N	Heard	8	Shot		HMG	29-Oct, 12:42
	2-3km N	Heard	1	Burst		HMG	29-Oct, 12:55
	1-2km N	Heard	4	Shot		Small arms	29-Oct, 13:40
	2-3km WSW	Heard	2	Shot		Small arms	29-Oct, 13:43

	1-2km N	Heard	2	Shot		Small arms	29-Oct, 13:43
	2-3km W	Heard	3	Burst		HMG	29-Oct, 13:53
	2-3km W	Heard	6	Burst		HMG	29-Oct, 13:55
	2-3km N	Heard	2	Explosion	Undetermined	N/K	29-Oct, 14:00
	2-3km N	Heard	3	Burst		HMG	29-Oct, 14:00
About 2km N of Petrivske (non-government-controlled, 41km S of Donetsk)	1-2km SSE	Heard	3	Burst	Assessed as outside the disengagement area	Small arms	29-Oct, 09:57
	1-2km SSE	Heard	15	Shots and bursts	Assessed as outside the disengagement area	Small arms	29-Oct, 11:09-11:10
	2-3km S	Heard	3	Burst	Assessed as outside the disengagement area	HMG	29-Oct, 11:11
	2-3km S	Heard	3	Burst	Assessed as outside the disengagement area	HMG	29-Oct, 11:18
	1-2km SW	Heard	1	Shot	Assessed as outside the disengagement area	Small arms	29-Oct, 11:18
	2-4km S	Heard		Shot	Uncountable (assessed outside the disengagement area)	Small arms	29-Oct, 11:13-11:27
	2-4km SE	Heard		Burst	Uncountable (assessed outside the disengagement area)	HMG	29-Oct, 11:13-11:27
	2-4km SW	Heard		Shots and bursts	Uncountable (assessed as inside the disengagement area)	Small arms	29-Oct, 11:13-11:27
	2-3km SSE	Heard	3	Explosion	Assessed as outside the disengagement area	N/K	29-Oct, 11:13-11:27
	2-3km SSE	Heard	1	Explosion	Assessed as outside the disengagement area	N/K	29-Oct, 12:19-12:21
	2-3km SSE	Heard	3	Burst	Assessed as outside the disengagement area	HMG	29-Oct, 12:19-12:21
	2-3km SSE	Heard	7	Shot	Assessed as outside the disengagement area	Small arms	29-Oct, 12:19-12:21
	2-3km SSE	Heard	3	Shot	Assessed as outside the disengagement area	Small arms	29-Oct, 13:19
	2-3km SSE	Heard	2	Shot	Assessed as outside the disengagement area	Small arms	29-Oct, 13:31
	2-3km SSE	Heard	2	Burst	Assessed as outside the disengagement area	Small arms	29-Oct, 14:09
	3-4km WSW	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	29-Oct, 14:37
About 2km NE of Bohdaniivka (government-controlled, 41km SW of Donetsk)	5km ESE	Heard	2	Explosion	Undetermined (assessed as outside the Petrivske disengagement area)	N/K	29-Oct, 11:18
	3-5km NNE	Heard	1	Explosion	Undetermined (assessed as outside the Petrivske disengagement area)	N/K	29-Oct, 14:37
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km SE	Heard	5	Burst		HMG	28-Oct, 21:45
	3-5km SE	Heard	11	Shot		Small arms	28-Oct, 21:45
	3-5km SSE	Heard	1	Explosion	Undetermined	N/K	28-Oct, 22:30
	3-5km S		2	Explosion	Undetermined	N/K	29-Oct, 16:22
About 4km NW of Debaltseve (non-government-controlled, 58km NE of Donetsk)	10-12km W	Heard	30	Explosion	Undetermined	N/K	29-Oct, 14:40-15:52
Horlivka (non-government-controlled, 39km NE of	4-5km W	Heard	32	Burst		HMG	28-Oct, 20:16-20:18
	4-5km W	Heard	5	Explosion	Undetermined	N/K	28-Oct, 20:16-20:18

Donetsk)	4-5km W	Heard	30	Burst		HMG	28-Oct, 20:22-20:23
	4-5km W	Heard	4	Explosion	Undetermined	N/K	28-Oct, 20:22-20:23
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	4-5km N	Heard	27	Explosion	Undetermined	N/K	29-Oct, 11:00-11:10
	5-6km N	Heard	3	Explosion	Undetermined	N/K	29-Oct, 11:15
	3-5km NE	Heard	92	Shot	(30mm) cannon	Other	29-Oct, 11:20
	3-5km NE	Heard	28	Shot		Small arms	29-Oct, 11:41
	3-5km N	Heard	1	Explosion	Undetermined	N/K	29-Oct, 11:49
	2-3km N	Heard	20	Burst		HMG	29-Oct, 12:30-12:35
	2-3km N	Heard	35	Burst		HMG	29-Oct, 12:36-12:44
About 1km NW of Arkhanhelske (government-controlled, 32km N of Donetsk)	500-700m SE	Heard	5	Burst		Small arms	29-Oct, 11:03
SW edge of Novoluhanske (government-controlled, 53km NE of Donetsk)	1-3km S	Heard	2	Burst		Small arms	29-Oct, 12:25
1.5km NW of Molodizhne (non-government-controlled, 63km W of Luhansk)	8-10km SW	Heard	4	Explosion	Undetermined	N/K	29-Oct, 14:40-14:48

Map of Donetsk and Luhansk regions¹¹



¹¹ 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).