

Daily Report 258/2021

3 November 2021¹

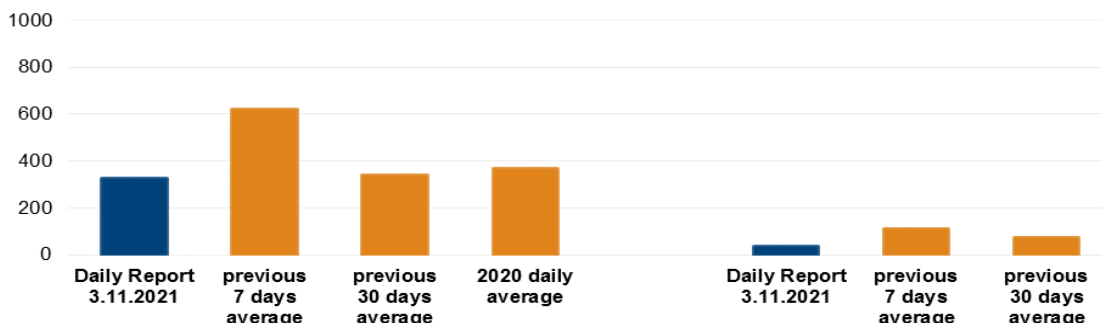
Summary

- In Donetsk region, the SMM recorded 248 ceasefire violations, including 31 explosions. In the previous reporting period, it recorded 524 ceasefire violations in the region.
- In Luhansk region, the Mission recorded 76 ceasefire violations, including three explosions. In the previous reporting period, it recorded 66 ceasefire violations in the region.
- The SMM observed damage to SMM camera system in government-controlled Hranitne, Donetsk region.
- The SMM followed up on reports of recent damage to civilian properties in government-controlled Hranitne, Donetsk region and Trokhizbenka, Luhansk region.
- The Mission continued monitoring the disengagement areas near Stanytsia Luhanska, Zolote and Petrivske. It recorded four ceasefire violations inside the disengagement area near Petrivske.
- The SMM facilitated and monitored adherence to localized ceasefires to enable the operation of critical civilian infrastructure.
- The Mission continued following up on the situation of civilians, including at three entry-exit checkpoints and four corresponding checkpoints of the armed formations in Donetsk and Luhansk regions.
- The SMM monitored the security situation in east and south-east Kherson region.
- The Mission monitored a gathering in Kyiv.
- The SMM's freedom of movement continued to be restricted, including at checkpoints of the armed formations near the disengagement areas near Zolote and Petrivske and at a border crossing point and a railway station outside government control near Voznesenivka, Luhansk region. Its UAVs again experienced instances of probable jamming and jamming.*

Ceasefire violations²

Number of recorded ceasefire violations³

Number of recorded explosions⁴



¹ Based on information from the Monitoring Teams as of 19:30, 2 November 2021. All times are in Eastern European Time.

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

³ Including explosions.

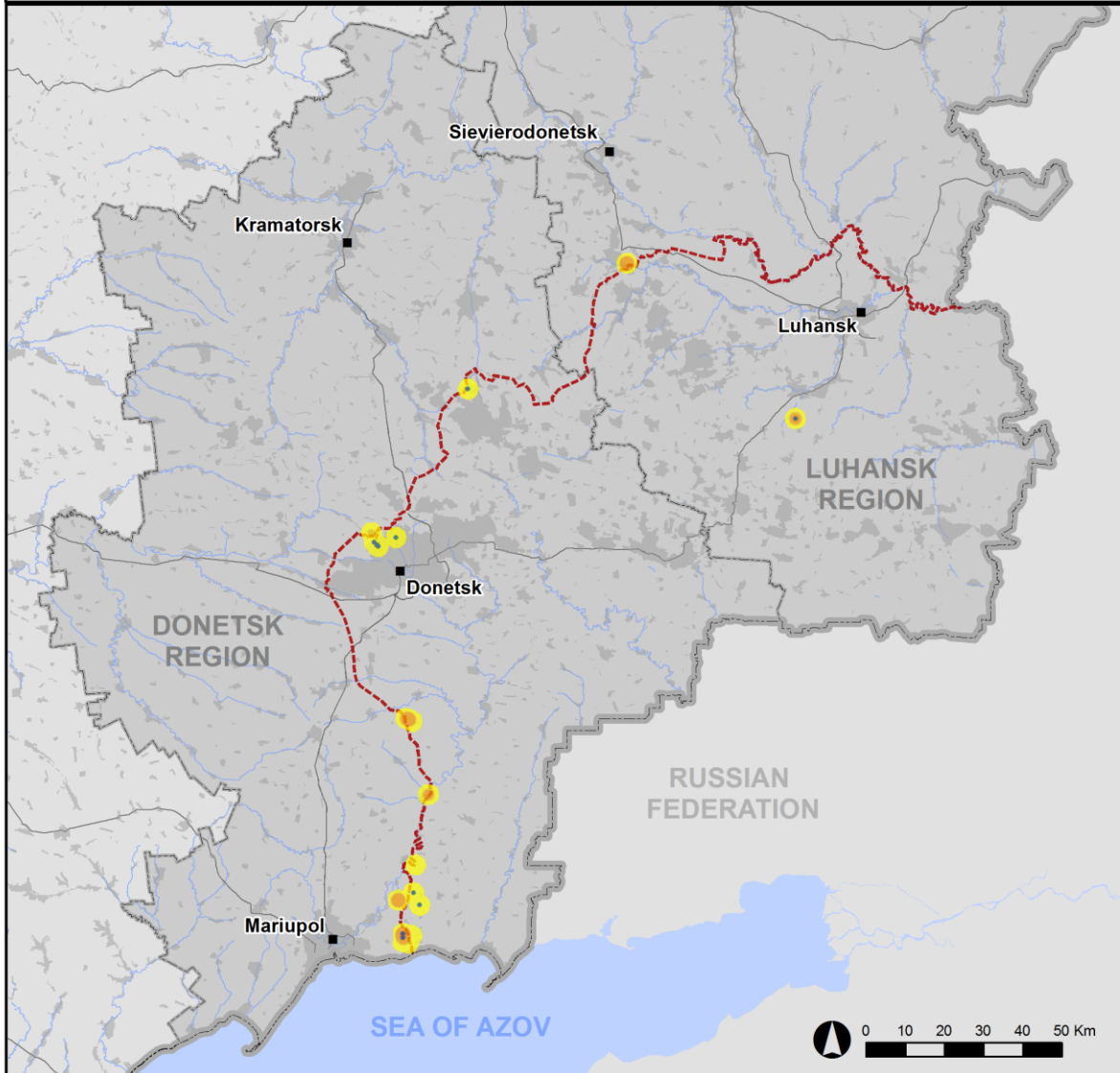
⁴ Including from unidentified weapons.

Map of recorded ceasefire violations

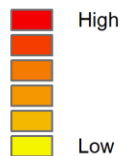


Organization for Security and
Co-operation in Europe
Special Monitoring Mission to Ukraine

Ceasefire violations observed by the SMM 2 November 2021



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: 03/11/2021

In Donetsk region, the SMM recorded 248 ceasefire violations, including 31 undetermined explosions. The majority of ceasefire violations occurred in areas north and north-north-east of Shyrokyne (government-controlled, 100km south of Donetsk) and in areas west-north-west of the disengagement area near Petrivske (non-government-controlled, 41km south of Donetsk). (See below.) In the [previous reporting period](#), the Mission recorded 524 ceasefire violations in the region, the majority of which also occurred in areas close to Shyrokyne and the disengagement area near Petrivske.

In Luhansk region, the SMM recorded 76 ceasefire violations, including three undetermined explosions, all of which occurred in an area north of the disengagement area near Zolote (government-controlled, 60km west of Luhansk) and in a training area near Kruhlyk (non-government-controlled, 31km south-west of Luhansk). The latter were assessed as live-fire exercises outside the security zone. In the [previous reporting period](#), the Mission recorded 66 ceasefire violations in the region.

Following agreement reached at the meeting of the Trilateral Contact Group on 22 July 2020 regarding Measures to strengthen the ceasefire, from 00:01 on 27 July 2020 until the end of the reporting period, the SMM has recorded at least 72,279 ceasefire violations in both Donetsk and Luhansk regions (including 19,427 explosions, 16,125 projectiles in flight, 355 muzzle flashes, 304 illumination flares and at least 36,068 bursts and shots).

The SMM observed damage to SMM camera system in government-controlled Hranitne, Donetsk region

At the SMM camera site in Hranitne, while conducting scheduled camera maintenance, the SMM observed damage to its camera system, assessed as recent and caused by probable shelling. The Mission saw about ten holes in the camera's metal casing as well as plastic parts of the outdoor electrical panel lying on the ground. It also saw a scratch and a hole on the trailer-mounted cabin housing of the camera system and in the trailer's chassis. It observed pieces of shrapnel on the cabin housing, an unidentified metal object lying underneath the trailer and saw that the fuel gauge cable of the diesel generator was severed. About 1.5m from the trailer, the Mission saw an impact hole in the ground near the metal fence surrounding the camera site. The Mission could not assess the type of weapon used or the direction of fire.

The SMM did not observe any damage to the three cameras constituting the camera system, which all remained operational. (See also [SMM Spot Report 24/2021](#)).

The Mission followed up on damage to civilian properties in government-controlled Hranitne, Donetsk region, and Trokhizbenka, Luhansk region

On 1 November, the Mission followed up on reports of damage to two inhabited civilian properties on the eastern outskirts of Hranitne (government-controlled, 60km south of Donetsk).

In a vegetable garden about 20m east-north-east of an inhabited single-storey house at 16 Voropaieva Street, the SMM saw a crater (about 2m in diameter) containing metal fragments assessed as shrapnel. About 3m north of the crater, it also saw damage to a 3m-long section of a mesh fence and branches of a nearby tree.

The Mission also observed about 20 holes in a west-facing brick wall of a structure about 20m south-west of the aforementioned crater and about 10m south-east of the aforementioned house. The SMM assessed the crater and damage as recent and caused by a probable 120mm mortar round and shrapnel.

At the same address, in a garden south of the aforementioned house, the Mission saw a crater (about 3m in diameter). It also observed a collapsed chicken coop. It assessed the crater and damage as recent and caused by a probable 122mm artillery round fired from a north-eastern direction.

About 25m further south-west, at 18 Voropaieva Street, the Mission observed two workers (men, in their thirties) replacing damaged corrugated roof panels of an inhabited one-storey house. It also saw about ten holes (3 to 9cm in diameter) in the north-east-facing wall of a structure adjacent to the house, about 15m south-west of the aforementioned crater.

On 28 and 30 October, the Mission followed up on reports of damage to civilian properties in a residential area on the north-western edge of Trokhizbenka (government-controlled, 32km north-west of Luhansk) alleged to have taken place on 27 October.

On 30 October, on Sosnovyi Lane, an SMM mini-unmanned aerial vehicle (UAV) saw damage to the north-western concrete corner of a garage north of an inhabited single-storey residential house, damage to the garage's north-facing concrete wall and a partially collapsed roof beam. Inside a greenhouse about 70m east-south-east of the building, the same UAV spotted a crater in soft soil. About 10m further east-north-east, the same UAV also spotted a crater inside another greenhouse.

The Mission assessed the craters and damage as recent but was unable to assess the weapon used or the direction of fire.

On the same day, within a 200m radius of the aforementioned building, the same UAV spotted 13 impact craters, assessed as recent and caused by probable 122mm artillery rounds fired from an unknown direction.

Disengagement areas near Stanytsia Luhanska, Zolote and Petrivske⁵

Inside the **disengagement area near Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk), the Mission saw seven members of the armed formations (wearing armbands with "JCCC" written on them) south of the repaired span of the Stanytsia Luhanska bridge (15km north-east of Luhansk).

While positioned about 3km north of Pervomaisk (non-government-controlled, 58km west of Luhansk), the Mission heard 48 shots of small-arms fire at an assessed range of 3-5km north-north-east, assessed as outside the **disengagement area near Zolote** but within 5km of its periphery.

While positioned inside the disengagement area, about 450m north of its southern edge, the SMM observed three [previously reported](#) boxes placed across road T-1316, assessed as

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

ammunition boxes. It also [again](#) saw another metal box assessed as an ammunition box on the western edge of the road, about 70m south-south-east of the railway bridge and 1km south of the area's northern edge. The SMM left the area in a northerly direction.*

At the disengagement area's southern edge, a member of the armed formations (wearing an armband with "JCCC" written on it) denied the Mission passage into the area citing "the SMM's safety".*

Near the checkpoint of the armed formations south of the disengagement area, the Mission saw eight members of the armed formations (wearing armbands with "JCCC" written on them). The SMM again saw the seven previously observed containers located south of the area's southern edge and inside the disengagement area. It saw that the [previously reported](#) road barriers across road T-1316, on the area's southern edge, were closed.

On the evening and night of 1-2 November, the SMM camera in Petrivske recorded 29 projectiles in flight at assessed ranges of 100-300m west and 500m-3km west-north-west, unable to be assessed as inside or outside the **disengagement area near Petrivske** and 27 projectiles in flight and one muzzle flash at assessed ranges of 500m-3km west-north-west, assessed as outside the disengagement area but within 5km of its periphery. On the evening on 2 November, the same camera recorded four projectiles in flight at an assessed range of 0.5-1km west-north-west, assessed as inside the disengagement area.

During the day on 2 November, while positioned at two locations near the disengagement area, the Mission observed a calm situation.

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.

Beyond withdrawal lines but outside designated storage sites, the SMM observed 42 tanks, 14 howitzers, eight multiple launch rocket systems, six anti-tank guns, six probable mortars and two surface-to-air missile systems, all at two railway stations and in two compounds in government-controlled areas of Donetsk region, as well as ten tanks in a training area in a non-government-controlled area of Luhansk region. (For further information, see the table below.)

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

The Mission observed 13 armoured combat vehicles on both sides of the contact line in Donetsk region, including in and near two residential areas in government-controlled areas and in a training area in a non-government-controlled area. (For further information, see the table below.)

Presence of unexploded ordnance near Vesele and de-mining activities near Novoluhanske, Donetsk region

Near the eastern outskirts of Vesele (non-government-controlled, 9km north-west of Donetsk) the Mission observed a piece of unexploded ordnance (UXO) (not previously reported) assessed as an 82mm mortar round stuck in the asphalt surface of a local road.

About 2km north of Novoluhanske (government-controlled, 53km north-east of Donetsk), the SMM observed about 20 members (genders and ages unknown) of an international organisation conducting de-mining activities in a field west of road S-050-324.

SMM facilitation of the operation of critical civilian infrastructure

The Mission continued to facilitate the operation of the Donetsk Filtration Station (15km north of Donetsk).

Situation at entry-exit checkpoints and corresponding checkpoints

In Donetsk region, the Mission noted that the corresponding checkpoint of the armed formations near Olenivka (non-government-controlled, 23km south-west of Donetsk) was closed for civilian traffic.

In Luhansk region, the SMM observed that the entry-exit checkpoint (EECP) near Stanytsia Luhanska and the corresponding checkpoint of the armed formations south of the Stanytsia Luhanska bridge were open and saw people queueing to travel in both directions.

The Mission noted that the EECPs near Zolote and Shchastia (government-controlled, 20km north of Luhansk) were open, but that the corresponding checkpoints of the armed formations south of the disengagement area near Zolote and 3km south-east of the bridge in Shchastia were closed. At the latter checkpoint, the SMM observed the [previously reported](#) five Czech hedgehogs blocking the lanes of road H-21 in both directions.

Border areas outside government control⁶

While positioned at the Chervona Mohyla railway station in Voznesenivka (formerly Chervonopartyzansk, 65km south-east of Luhansk), for about 13 minutes, the SMM observed about 50 cargo railway cars and 18 fuel cistern wagons, all stationary. A member of the armed formations told the Mission to leave the area.*

While positioned at a border crossing point near Voznesenivka, for about four minutes, the Mission observed a car and two people (a man and a woman in their twenties and thirties) entering Ukraine and two cars (both with “LPR” plates) exiting Ukraine. Upon arrival, a member of the armed formations told the SMM to leave the area.*

Security situation in east and south-east Kherson region

From 31 October to 2 November, the SMM monitored areas in east and south-east Kherson region at checkpoints near Kalanchak (67km south-east of Kherson) and Chonhar (163km south-east of Kherson), along the coast of the Sea of Azov near Henichesk (176km east of Kherson), Stokopani (181km east of Kherson) and Strilkove (193km south-east of Kherson), as well as along the North Crimean canal. While monitoring these areas, the Mission observed no change in the security situation.

⁶ According to decisions in 2014 by the Cabinet of Ministers of Ukraine, operations are officially designated as suspended at these and other border crossing points located outside government control.

The SMM monitored a gathering in Kyiv

In Kyiv, in front of the Pecherskyi City District Court at 15 Volodymyrska Street, the Mission observed a gathering of about 100 men (mixed ages) in dark blue and black clothing standing silently on the sidewalk in front of the court building. A dialogue police officer in front of the court told the SMM that the men had gathered in support of a parliamentarian reportedly attending a court hearing during the gathering. It also saw about 20 law enforcement officers nearby and noted a calm situation.

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

*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 Minsk agreements have agreed on the need for this safe and secure access, that restriction of the SMM's freedom of movement constitutes a violation, and on the need for rapid response to these violations. They have also agreed that the Joint Centre for Control and Co-ordination (JCCC) should contribute to such response and co-ordinate mine clearance. Nonetheless, the armed formations in parts of Donetsk and Luhansk regions frequently deny the SMM access to areas adjacent to Ukraine's border outside control of the government (for example, see below). 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 the southern edge of the disengagement area near Zolote (government-controlled, 60km west of Luhansk), a member of the armed formations (wearing an armband with “JCCC” written on it) [again](#) denied the Mission passage north, citing “the SMM's safety”. (See above.)
- At a border crossing point near Voznesenivka (formerly Chervonopartyzansk, non-government-controlled, 65km south-east of Luhansk), a member of the armed formations asked the SMM to leave the area, citing “order from superiors”. (See above).
- At the Chervona Mohyla railway station in Voznesenivkaa member of the armed formations told the SMM to leave the area. (See above).

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.

Delay:

- At a checkpoint near Petrivske (non-government-controlled, 41km south of Donetsk), an armed member of the armed formations allowed the SMM passage south towards the

disengagement area near Petrivske only after about 40 minutes of waiting. (For a previous denial at this checkpoint, see [SMM Daily Report 2 November 2021](#).)

Other impediments:⁷

- SMM mini-UAVs experienced GPS signal interference, assessed as caused by probable jamming, during seven flights: twice each while flying over areas near Novoluhanske (government-controlled, 53km north-east of Donetsk) and Novokyivka (non-government-controlled, 25km east of Luhansk) and once each while flying over areas near Ozarianivka (non-government-controlled, 35km north-east of Donetsk), Luhanske (government-controlled, 59km north-east of Donetsk) and Ohulchansk (non-government-controlled, 25km east of Luhansk).
- The SMM had to cancel a planned mid-range UAV flight near Novoluhanske due to GPS signal interference, assessed as caused by probable jamming, while intending to follow up on reports of damage to civilian properties in Holmivskyi (non-government-controlled, 49km north-east of Donetsk).

⁷ For cases of probable jamming and jamming mentioned in this section, the interference could have originated from anywhere within the radius of tens of kilometres from the UAVs' positions.

Table of weapons

Weapons beyond withdrawal lines but outside designated storage sites

Date	No. of weapons	Type of weapon	Location	Source of observation
Government-controlled areas				
30/10/2021	25	Tank (T-72)	At a railway station in Kostiantynivka (60km north of Donetsk)	Mini-UAV
1/11/2021	2	Surface-to-air missile system (9K33 <i>Osa</i>)	In a compound near Kasianivka (81km south of Donetsk)	
2/11/2021	6	Probable mortar (2B11 <i>Sani</i> , 120mm)	In a compound near Kostiantynivka	Long-range UAV
	6	Anti-tank gun (MT-12 <i>Rapira</i> , 100mm)		
	14	Self-propelled howitzer (2S1 <i>Gvozdika</i> , 122mm)	At a railway station in Druzhkivka (72km north of Donetsk)	Patrol
	8	Multiple launch rocket system (BM-21 <i>Grad</i> , 122mm)		
17	Tank (T-72)	At a railway station in Kostiantynivka		
Non-government-controlled areas				
2/11/2021	10	Tank (seven T-72 and three type undetermined)	In a training area near Myrne (28km south-west of Luhansk).	Patrol

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

Date	No.	Type	Location	Source of observation
Government-controlled areas				
30/10/2021	1	Armoured combat vehicle (type undetermined)	Near Novohryhorivka (55km south of Donetsk)	Mini-UAV
31/10/2021	1	Armoured personnel carrier (BTR-80)	In a residential area of Bolotene (22km north-east of Luhansk)	
1/11/2021	1	Probable armoured reconnaissance vehicle (BRDM-2)	Near Nevelske (18km north-west of Donetsk)	Long-range UAV
	1	Infantry fighting vehicle (BMP-2)	Near Lomakyne (93km south of Donetsk)	Mini-UAV
	1	Armoured combat vehicle (probable BMP variant)		
2/11/2021	1	Armoured reconnaissance vehicle (BRDM-2)	Near a residential area of Toretsk (formerly Dzerzhynsk, 43km north of Donetsk)	Patrol
	3	Infantry fighting vehicle (BMP-2)	In a residential area of Pivdenne (formerly Leninske, 40km north-east of Donetsk)	
Non-government-controlled areas				
1/11/2021	4	Infantry fighting vehicle (BMP-1)	Near Boikivske (formerly Telmanove, 67km south-east of Donetsk), in a zone within which deployment of heavy armament and military equipment is further proscribed according to Point 5 of the Memorandum of 19 September 2014.	Mini-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 2 November 2021⁹

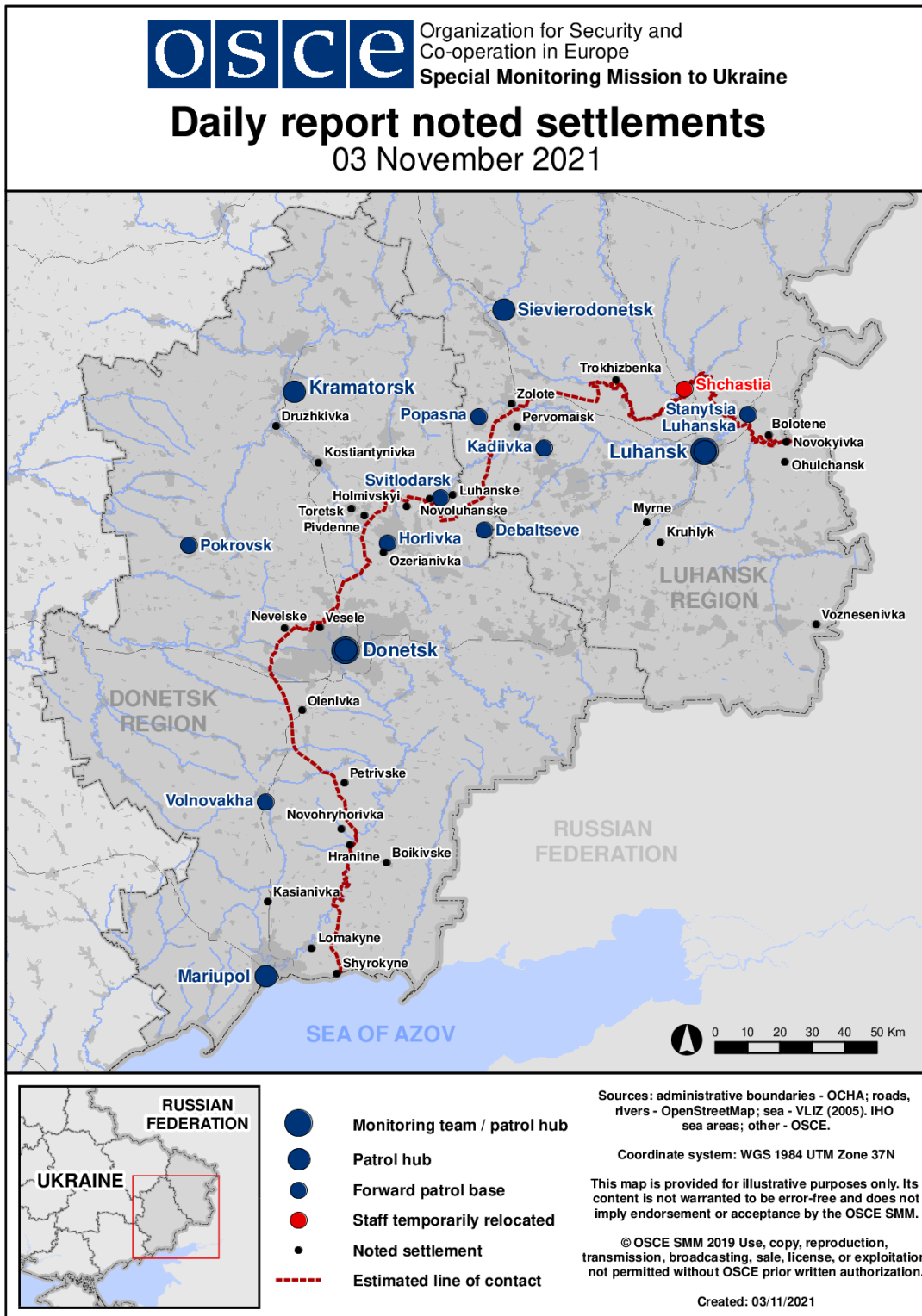
SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	2-4km ESE	Recorded	1	Projectile	N to S	N/K	1-Nov, 21:54
	2-4km ESE	Recorded	1	Projectile	N to S	N/K	1-Nov, 21:55
SMM camera at entry-exit checkpoint in Hnutove (government-controlled, 90km S of Donetsk)	3-4km ESE	Recorded	1	Explosion	Undetermined	N/K	1-Nov, 22:21
SMM camera in Hranitne (government-controlled, 60km S of Donetsk)	1-2km ENE	Recorded	1	Projectile	NW to SE	N/K	2-Nov, 01:53
	1-2km ENE	Recorded	15	Projectile	NW to SE	N/K	2-Nov, 01:54
	1-2km ENE	Recorded	4	Projectile	NW to SE	N/K	2-Nov, 01:55
	1-2km ENE	Recorded	2	Projectile	NW to SE	N/K	2-Nov, 01:58
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1-3km E	Recorded	1	Explosion	Undetermined	N/K	1-Nov, 23:57
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	2-4km WNW	Recorded	9	Projectile	N to S	N/K	1-Nov, 20:26
SMM camera in Petrivske (non-government-controlled, 41km S of Donetsk)	100-300m W	Recorded	1	Projectile	In vertical flight (unable to be assessed if inside or outside the disengagement area)	N/K	1-Nov, 18:50
	100-300m W	Recorded	1	Projectile	In vertical flight (unable to be assessed if inside or outside the disengagement area)	N/K	1-Nov, 18:51
	1-3km WNW	Recorded	4	Projectile	E to W (unable to be assessed if inside or outside the disengagement area)	N/K	1-Nov, 19:26
	1-3km WNW	Recorded	9	Projectile	SE to NW (unable to be assessed if inside or outside the disengagement area)	N/K	1-Nov, 19:26
	0.5-2km WNW	Recorded	8	Projectile	NE to SW (unable to be assessed if inside or outside the disengagement area)	N/K	1-Nov, 19:47
	0.5-2km WNW	Recorded	5	Projectile	E to W (assessed as outside the disengagement area)	N/K	1-Nov, 19:47
	0.5-2km WNW	Recorded	4	Projectile	SE to NW (assessed as outside the disengagement area)	N/K	1-Nov, 19:47
	0.5-2km WNW	Recorded	1	Projectile	NE to SW (unable to be assessed if inside or outside the disengagement area)	N/K	1-Nov, 20:19
	0.5-2km WNW	Recorded	6	Projectile	E to W (assessed as outside the disengagement area)	N/K	1-Nov, 20:37

⁹ The table only includes ceasefire violations directly observed by SMM patrols or recorded by the SMM cameras, 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 technical monitoring officers, 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 technical limitations and/or other considerations. Ceasefire violations recorded by more than one patrol/camera and assessed to be the same are entered only once.

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	0.5-2km WNW	Recorded	4	Projectile	SE to NW (assessed as outside the disengagement area)	N/K	1-Nov, 20:37
	0.5-2km WNW	Recorded	1	Projectile	SSE to NNW (assessed as outside the disengagement area)	N/K	1-Nov, 23:51
	0.5-2km WNW	Recorded	1	Muzzle flash	Assessed as outside the disengagement area	N/K	1-Nov, 23:56
	0.5-2km WNW	Recorded	1	Projectile	NE to SW (unable to be assessed if inside or outside the disengagement area)	N/K	1-Nov, 23:56
	0.5-2km WNW	Recorded	4	Projectile	SE to NW (unable to be assessed if inside or outside the disengagement area)	N/K	1-Nov, 23:56
	0.5-2km WNW	Recorded	1	Projectile	E to W (assessed as outside the disengagement area)	N/K	1-Nov, 23:56
	1-3km WNW	Recorded	4	Projectile	S to N (assessed as outside the disengagement area)	N/K	2-Nov, 00:21
	0.5-2km WNW	Recorded	1	Projectile	SSE to NNW (assessed as outside the disengagement area)	N/K	2-Nov, 02:29
	0.5-2km WNW	Recorded	1	Projectile	E to W (assessed as outside the disengagement area)	N/K	2-Nov, 02:29
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	4-6km N	Recorded	2	Projectile	E to W	N/K	1-Nov, 18:59
	5-7km N	Recorded	3	Explosion	Undetermined	N/K	1-Nov, 19:00
	5-7km N	Recorded	2	Explosion	Undetermined	N/K	1-Nov, 19:04
	5-7km N	Recorded	2	Muzzle flash		N/K	1-Nov, 19:05
	4-6km N	Recorded	10	Projectile	WSW to ENE	N/K	1-Nov, 19:05
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	1-Nov, 19:05
	5-7km N	Recorded	3	Explosion	Undetermined	N/K	1-Nov, 19:06
	4-6km N	Recorded	2	Projectile	W to E	N/K	1-Nov, 19:06
	5-7km N	Recorded	2	Explosion	Undetermined	N/K	1-Nov, 19:07
	4-6km N	Recorded	1	Projectile	W to E	N/K	1-Nov, 19:07
	4-6km N	Recorded	2	Explosion	Undetermined	N/K	1-Nov, 19:08
	4-6km N	Recorded	1	Illumination flare	E to W	N/K	1-Nov, 19:15
	3-5km N	Recorded	1	Projectile	W to E	N/K	1-Nov, 19:23
	3-5km N	Recorded	2	Projectile	SE to NW	N/K	1-Nov, 19:30
	4-6km N	Recorded	2	Projectile	WSW to ENE	N/K	1-Nov, 20:28
	4-6km N	Recorded	1	Projectile	ESE to WNW	N/K	1-Nov, 20:58
	4-6km N	Recorded	1	Illumination flare	In vertical flight	N/K	1-Nov, 21:23
	4-6km N	Recorded	3	Projectile	SE to NW	N/K	1-Nov, 21:35
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	1-Nov, 22:48
	4-6km N	Recorded	2	Projectile	ESE to WNW	N/K	1-Nov, 23:48
	4-6km N	Recorded	1	Projectile	SSW to NNE	N/K	1-Nov, 23:48
3-5km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	2-Nov, 00:31	
3-5km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	2-Nov, 00:33	
3-5km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	2-Nov, 00:54	
5-7km N	Recorded	2	Projectile	E to W	N/K	2-Nov, 01:03	
5-7km N	Recorded	1	Projectile	SW to NE	N/K	2-Nov, 01:03	

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	5-7km N	Recorded	2	Projectile	E to W	N/K	2-Nov, 01:04
	5-7km N	Recorded	3	Projectile	E to W	N/K	2-Nov, 01:05
	5-7km N	Recorded	12	Projectile	W to E	N/K	2-Nov, 01:26
	5-7km N	Recorded	1	Projectile	In vertical flight	N/K	2-Nov, 01:26
	5-7km N	Recorded	2	Projectile	in vertical flight	N/K	2-Nov, 02:51
	5-7km N	Recorded	1	Projectile	E to W	N/K	2-Nov, 02:51
	5-7km N	Recorded	2	Projectile	E to W	N/K	2-Nov, 02:52
	5-7km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	2-Nov, 02:53
	5-7km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	2-Nov, 02:54
	5-7km N	Recorded	1	Projectile	In vertical flight	N/K	2-Nov, 03:13
	5-7km N	Recorded	2	Projectile	SE to NW	N/K	2-Nov, 03:26
	5-7km N	Recorded	1	Projectile	In vertical flight	N/K	2-Nov, 03:26
	5-7km N	Recorded	1	Projectile	WSW to ENE	N/K	2-Nov, 03:27
	5-7km N	Recorded	1	Projectile	SE to NW	N/K	2-Nov, 03:27
	5-7km N	Recorded	1	Projectile	WSW to ENE	N/K	2-Nov, 03:30
	5-7km N	Recorded	2	Explosion	Undetermined	N/K	2-Nov, 03:31
	5-7km N	Recorded	3	Projectile	E to W	N/K	2-Nov, 04:19
	5-7km N	Recorded	1	Projectile	W to E	N/K	2-Nov, 04:19
SMM camera in Petrivske (non-government-controlled, 41km S of Donetsk)	0.5-1km WNW	Recorded	2	Projectile	SSW to NNE (assessed as inside the disengagement area)	N/K	2-Nov, 18:06
	0.5-1km WNW	Recorded	2	Projectile	SSW to NNE (assessed as inside the disengagement area)	N/K	2-Nov, 18:07
About 2km WNW of Pisky (government-controlled, 12km NW of Donetsk)	3-5km SE	Heard	3	Explosion	Undetermined	N/K	2-Nov, 09:09
	4-6km SE	Heard	2	Explosion	Undetermined	N/K	2-Nov, 09:12-09:13
	5-6km SE	Heard	5	Explosion	Undetermined	N/K	2-Nov, 09:37-09:40
Zhabunki (non-government-controlled, 9km NW of Donetsk city centre)	3-4km E	Heard	1	Explosion	Undetermined	N/K	2-Nov, 10:04
Pavlopil (government-controlled, 84km S of Donetsk)	8-9km SE	Heard	2	Explosion	Undetermined	N/K	2-Nov, 11:46
Orlivske (government-controlled, 82km S of Donetsk)	4-6km SE	Heard	50	Burst		HMG	2-Nov, 11:50
2km N of Kruhlyk (non-government-controlled, 31km south-west of Luhansk)	1-2km NW	Heard	10	Burst		HMG	2-Nov, 09:32-10:10
	1-2km NW	Heard	15	Burst		Small arms	2-Nov, 09:32-10:10
	1-2km NW	Heard	3	Explosion	Undetermined	N/K	2-Nov, 09:32-10:10
About 3km N of Pervomaisk (non-government-controlled, 58km W of Luhansk)	3-5km NNE	Heard	48	Shot	Assessed as outside the disengagement area near Zolote	Small arms	2-Nov, 11:04-11:40

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 have 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 also patrols in this settlement during daylight hours).