



Daily Report 274/2021

22 November 2021¹

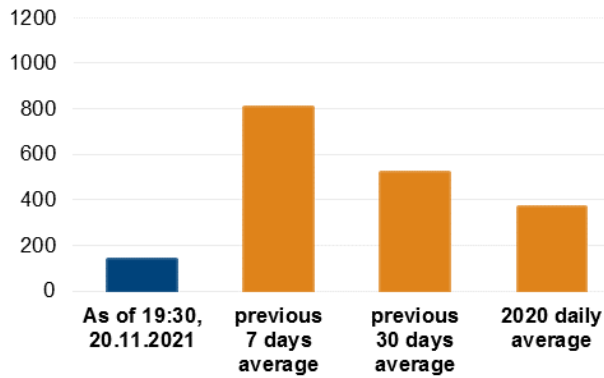
Summary

- In Donetsk region, between the evenings of 19 to 21 November, the Mission recorded 223 ceasefire violations, including 59 explosions. In the previous reporting period, it recorded 421 ceasefire violations in the region.
- In Luhansk region, between the evenings of 19 to 21 November, the SMM recorded 64 ceasefire violations, including 37 explosions. In the previous reporting period, it recorded 121 ceasefire violations in the region.
- The Mission followed up on recent damage to civilian properties in Lozove and Marinka, Donetsk region, as well as to a civilian property and a working hospital in Zolote-5/Mykhailivka and Dovhe, Luhansk region.
- The Mission continued monitoring the disengagement areas near Stanytsia Luhanska, Zolote and 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 five entry-exit checkpoints and four corresponding checkpoints of the armed formations in Donetsk and Luhansk regions.
- The SMM monitored gatherings in Kharkiv and Lviv.
- The SMM's freedom of movement continued to be restricted, including at a checkpoint of the armed formations near Mineralne, Donetsk region, and at a border crossing point outside government-control in Voznesenivka (formerly Chervonopartyzansk), and at the Chervona Mohyla railway station in Voznesenivka, Luhansk region. Its unmanned aerial vehicles again experienced instances of probable jamming.*

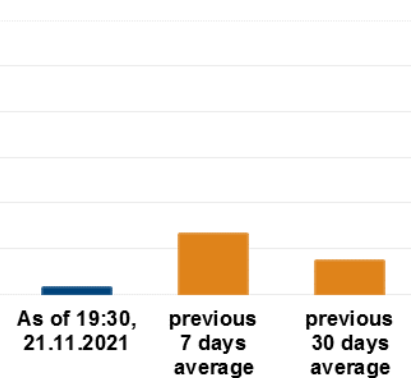
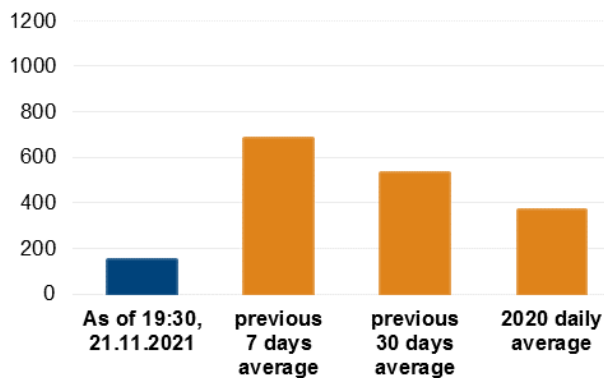
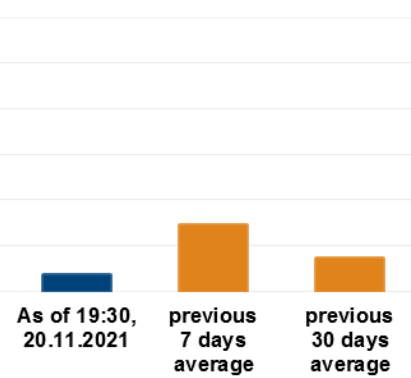
¹ Based on information from the Monitoring Teams as of 19:30, 21 November 2021. All times are in Eastern European Time.

Ceasefire violations²

Number of recorded ceasefire violations³



Number of recorded explosions⁴



² For a complete breakdown of ceasefire violations, please see the annexed table. During the reporting period, the SMM camera at the entry-exit checkpoint near Maiorsk was not operational, and weather conditions limited the observation capabilities of some other SMM cameras.

³ Including explosions.

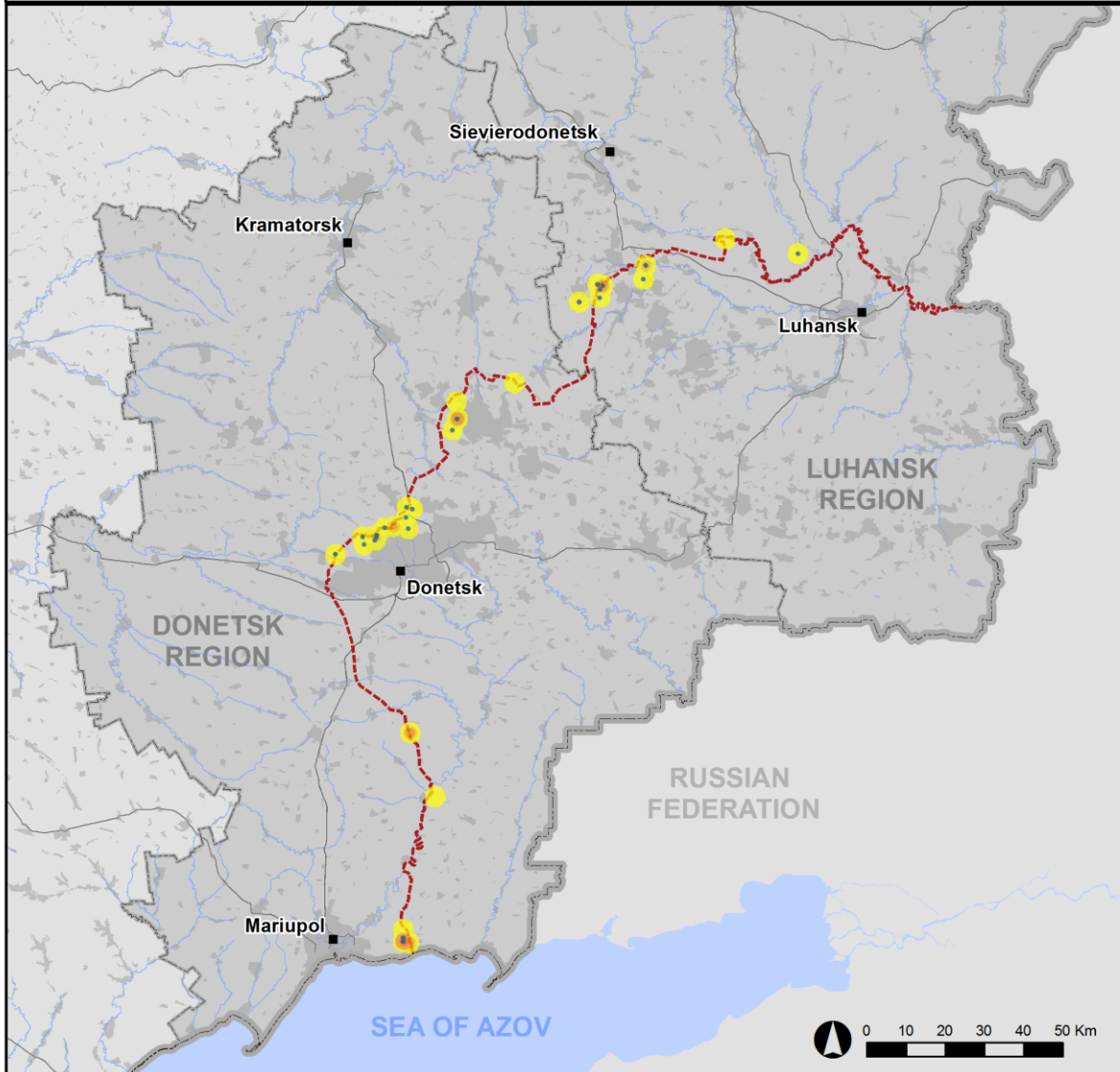
⁴ Including from unidentified weapons.

Map of recorded ceasefire violations

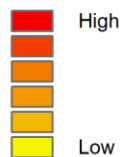


Organization for Security and
Co-operation in Europe
Special Monitoring Mission to Ukraine

Ceasefire violations observed by the SMM 20-21 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: 22/11/2021

In Donetsk region, between the evenings of 19 to 21 November, the SMM recorded 223 ceasefire violations, including 59 explosions (two airbursts, three outgoing and 54 undetermined). The majority of ceasefire violations occurred in areas north of Shyrokyne (government-controlled, 100km south of Donetsk) and west of Horlivka (non-government-controlled, 39km north-east of Donetsk). In the [previous reporting period](#), the Mission recorded 421 ceasefire violations in the region, some of which also occurred in areas north of Shyrokyne and west of Horlivka.

In Luhansk region, between the evenings of 19 to 21 November, the SMM recorded 64 ceasefire violations, including 37 undetermined explosions. The majority of ceasefire violations occurred in areas east and south-west of the disengagement area near Zolote (government-controlled, 60km west of Luhansk) (see below). In the [previous reporting period](#), the Mission recorded 121 ceasefire violations in the region, some of which also occurred in areas close to the disengagement area near Zolote.

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 82,873 ceasefire violations in both Donetsk and Luhansk regions (including 22,826 explosions, 19,661 projectiles in flight, 393 muzzle flashes, 355 illumination flares and at least 39,638 bursts and shots).

Damage to civilian properties in Lozove and Marinka, Donetsk region, as well as to a civilian property and a working hospital in Zolote-5/Mykhailivka and Dovhe, Luhansk region

On 19 November, the Mission followed up on reports of damage to a civilian property in Lozove (non-government-controlled, 13km west of Donetsk).

In the eastern part of Lozove, in the yard of two inhabited single-storey houses at 16 Feta Street, the SMM observed a crater. About seven meters east, the SMM observed about 140 holes and dents to the west-facing wall, door and door frame of an inhabited single-storey house. The Mission also saw that one window in the south-facing wall of the same house was broken and observed damage to two window frames made of bricks on the same wall. In the north-eastern corner of a room inside the house, the SMM saw five holes and dents as well as burn marks.

About 5m north of the aforementioned house, on the south-facing wall of a second inhabited single-storey house at the same address, the SMM observed one broken window, as well as a dent. The Mission also saw 17 holes and dents in a metal panel lying on the ground next to the house's south-facing wall, assessed as having fallen off its roof.

About 20m east of the crater, the Mission also saw four holes and dents in a west-facing metal gate. About 2.5m south of the crater, the SMM saw about 25 holes in two north-facing walls between the aforementioned property and a house at 19 Feta Street, as well as about 40 holes and dents on a metal door on the outside wall. It also observed that part of the inside wall had collapsed and saw burn marks on the outside wall, as well as damage to the metal roofing.

The SMM assessed the crater and the aforementioned damage as recent and caused by a 122mm artillery shell fired from a westerly direction.

A man (in his fifties), who introduced himself as the owner of the house and a woman (in her thirties), who introduced herself as the wife of the owner's nephew, told the SMM that on the night of 17 November they had been at home when they heard four explosions and subsequently observed damage to their property.

On 19 November, the SMM followed up on reports of damage to civilian properties in the eastern part of Marinka (government-controlled, 23km south-west of Donetsk).

About 8m west-north-west of a one-storey residential building at 236 Prokofieva Street, an SMM mini-unmanned vehicle (UAV) spotted a crater and damage to the east-facing side of the asbestos roof and the north-facing wall of the building. About 5m east-south-east of the damaged roof, the UAV spotted damage to asbestos tiles on the roof of an adjacent shed. About 10m south-south-west of aforementioned residential building, the UAV spotted a hole in the east-facing side of the roof of an outbuilding. In a metal fence about 2m north of the aforementioned residential building, the UAV spotted a number of dents assessed as shrapnel marks. The SMM assessed the crater and damage as recent and caused by a probable 82mm mortar round.

On 20 November, the SMM followed up on reports of recent damage to a working three-storey hospital building at 5A Voikova Street, in the central part of Zolote-5/Mykhailivka (non-government-controlled, 60km west of Luhansk). The Mission observed a hole in both panes of a double-glazed second storey window and assessed the damage as recent and caused by small-arms fire. Hospital staff refused to allow the SMM to enter the building.*

On the same day, the Mission followed up on reports of damage to a civilian property at 7-2 Mira Street on the southern edge of Dovhe (non-government-controlled, 22km north-west of Luhansk). The Mission observed damage to the south-east-facing side of the roof of a one-story uninhabited building and saw numerous dents assessed as shrapnel marks on a metal fence located about 10m south-east of the aforementioned house. The SMM assessed the damage as recent and caused by a probable 82mm mortar round.

Disengagement areas near Stanytsia Luhanska, Zolote and Petrivske⁵

On 20 and 21 November, inside the disengagement area near **Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk), the Mission saw 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).

On 20 November, while positioned inside the **disengagement area near Zolote**, about 1km south of the area's northern edge, the Mission [again](#) saw a metal box on the western edge of the road about 70m south-south-east of the railway bridge. About 600m north of the area's southern edge, the Mission [again](#) observed one wooden box on the western edge of road T-1316. About 450m north of its southern edge, the Mission also [again](#) observed a wooden crate and two metal boxes placed across road T-1316. All these boxes were assessed as ammunition boxes. Also about 600m north of the area's southern edge, the SMM saw about 100 metal spikes (not previously reported), on both sides of road T-1316.*

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 both days, near the checkpoint of the armed formations south of the disengagement area, the Mission saw 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, continued to be closed.

During the reporting period, the SMM camera in Popasna (government-controlled, 69km west of Luhansk) recorded one undetermined explosion, assessed as outside the area but within 5km of its periphery. During the same period, SMM patrols heard six undetermined explosions and 24 bursts of small-arms and heavy-machine-gun fire assessed as outside the area but within 5km of its periphery.

During the reporting period, the SMM camera 2km east of Bohdanivka (government-controlled, 41km south-west of Donetsk) recorded one projectile in flight, unable to be assessed as inside or outside the **disengagement area near Petrivske** (non-government-controlled, 41km south of Donetsk) and 23 projectiles in flight, assessed as outside the area but within 5km of its periphery.

On 20 November, while positioned on the western edge of Petrivske, the SMM [again](#) observed several objects assessed as ammunition boxes in the middle of road C-051532, near the disengagement area’s north-eastern corner.

On 21 November, while positioned at three locations close to the disengagement area, the SMM observed a calm situation.

Withdrawal of weapons

The Mission continued to monitor the withdrawal of weapons in implementation of the Memorandum and the Package of Measures and its Addendum.

In violation of withdrawal lines, the SMM saw one surface-to-air-missile system in a government-controlled area, and a tank in a residential 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 SMM observed three armoured combat vehicles (one of which probable) in government-controlled areas of Donetsk region, including in a residential area. (For further information, see the table below.)

Presence of mines near Bohdanivka and Mineralne and mine hazard signs near Donetsk city, Donetsk region

On 19 November, outside the disengagement area near Petrivske (non-government-controlled, 41km south of Donetsk), about 650m east-north-east of its north-western edge, in a field north of the road between Bohdanivka (government-controlled, 41km south-west of Donetsk) and Viktorivka (non-government-controlled, 42km south-west of Donetsk), an SMM mini-UAV again spotted about seven anti-tank mines, assessed as belonging to the Ukrainian Armed Forces. (For previous observations in the area see [SMM Daily Report of 13 May 2021](#).)

On 21 November, at a checkpoint about 2km south-east of Mineralne (non-government-controlled, 10km north-east of Donetsk), the Mission saw eight anti-tank mines (not previously reported) along a road barrier, assessed as belonging to the armed formations.

Also on the same day, the Mission observed two mine hazard signs (two white rectangles with white skulls and crossbones, and “Danger! Mines!”, “Stop! Mines!” and “Don’t leave the road!”, “The territory along the road is mined!” written on them in Russian and English, previously not reported) on the north-north-eastern and the northern sides, respectively, of two local roads on the north-western outskirts of non-government-controlled Donetsk city’s Petrovskiyi district (15km south-west of Donetsk city centre).

SMM facilitation of the operation of critical civilian infrastructure

On 20 and 21 November, the Mission continued to facilitate the operation of the Donetsk Filtration Station (15km north of Donetsk) (DFS). On 21 November, while positioned at three locations near the station, the SMM heard three undetermined explosions, assessed as within a 5km radius of the DFS.

On both days, the Mission also monitored the security situation close to the pumping station near Vasylivka (non-government-controlled, 20km north of Donetsk).

Situation at entry-exit checkpoints and corresponding checkpoints

On 20 November, in Donetsk region, the Mission observed that the corresponding checkpoint of the armed formations near Kreminets (non-government-controlled, 16km south-west of Donetsk) was closed.

On 21 November, in Donetsk region, the SMM observed that the entry-exit checkpoint (EECP) near Maiorsk (government-controlled, 45km north-east of Donetsk) was open but did not see any traffic passing through. It also saw that the EECP near Marinka (government-controlled, 23km south-west of Donetsk) was open and that the corresponding checkpoint of the armed formations near Kreminets (non-government-controlled, 16km south-west of Donetsk) was closed.

On 20 and 21 November, in Luhansk region, the SMM observed that the EECP near Stanytsia Luhanska and the corresponding checkpoint of the armed formations south of the Stanytsia Luhanska bridge were open, with people queuing to travel in both directions.

On both days, 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.

Also on both days, along road T-1316 between the EECP near Zolote and the following intersection, on the eastern side of the road, the SMM observed continuing ground works involving between eight and ten workers, some of whom were operating machinery. (For previous observations in this area, [SMM Daily Report of 20 November 2021](#).)

Border areas outside government control

On 20 November, while at the pedestrian border crossing point near Novoborovytsi (79km south of Luhansk) for about 40 minutes, the SMM observed two people (a woman and a man, in their forties and fifties) entering Ukraine.

On 21 November, while at a border crossing point near Uspenka (73km south-east of Donetsk) for about 30 minutes, the Mission saw 14 cars (including nine with "DPR" plates), five covered cargo trucks, one mini-bus (carrying passengers of mixed genders and ages), and 29 people (12 women and 16 men, mixed ages, and one child) entering Ukraine. During the same time, the SMM saw nine covered cargo trucks (including six with "DPR" plates), one bus (carrying passengers of mixed genders and ages) and 23 people (12 women and ten men, mixed ages, and one child) exiting Ukraine.

On the same day, while positioned at a border crossing point near Ulianivske (61km south-east of Donetsk) for about 40 minutes, the SMM observed no traffic entering or exiting Ukraine.

On the same day, while at a border crossing point near Voznesenivka (formerly Chervonopartyzansk, 65km south-east of Luhansk), the Mission observed ten people (three women and six men, mixed ages, and one child) entering Ukraine, and three men (mixed ages) exiting Ukraine. After about five minutes, a member of the armed formations told the SMM to leave the area.*

Also on the same day, while at the Chervona Mohyla railway station in Voznesenivka, the Mission observed three cargo railway cars. Upon its arrival at the location, a member of the armed formations denied the SMM entry to the railway station and told it to leave the area.*

On 20-21 November, the Mission monitored areas close to the border with the Russian Federation near Astakhove (81km south of Luhansk), Novoborovytsi (79km south of Luhansk), Liubyme (77km south of Luhansk) and Krynychne (formerly Biriukove, 75km south-east of Luhansk) and observed no change in the security situation.

The Mission observed gatherings in Lviv and Kharkiv

On November 21, at the Lychakiv cemetery at 33 Mechnykova Street in Lviv, the Mission observed a gathering of about 100 people (mixed genders and ages) on the occasion of the "Day of Dignity and Freedom", commemorating participants of 2014 events on Maidan. The SMM observed six law enforcement officers nearby and noted a calm situation.

On the same day, at the Kharkiv Regional State Administration Building at 64 Sumska Street in Kharkiv, the Mission observed a gathering of about 200 people (mixed genders and ages) commemorating the anniversary of the "Revolution of Dignity", where the SMM also observed a number of flags of *Right Sector*, *Svoboda*, *National Corps* and *Democratic Axe*, as well as *European Solidarity* and *Association of ATO Veterans* and some Ukrainian flags. The Mission observed 44 law enforcement officers nearby and a calm situation.

The SMM 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 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, 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 a checkpoint near Mineralne (non-government-controlled, 10km north-east of Donetsk), an armed member of the armed formations denied the Mission passage north towards Yasynuvata (non-government-controlled, 16km north-east of Donetsk), citing “kinetic activity” in the area.
- At the Chervona Mohyla railway station in Voznesenivka (formerly Chervonopartyzansk, non-government-controlled, 65km south-east of Luhansk), a member of the armed formations denied the Mission entry to the railway station and told it to leave the area.
- At a border crossing point near Voznesenivka, a member of the armed formations told the SMM to leave the area, citing “orders from his superiors”.

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:⁶

- On 20 November, while at a hospital in Zolote-5/Mykhailivka (non-government-controlled, 60km west of Luhansk) to conduct an impact site assessment, its staff refused to allow the SMM to enter the hospital building.
- On the same day, SMM mini-UAVs experienced GPS signal interference, assessed as caused by probable jamming, during four flights: twice over areas near Horlivka (non-government-controlled, 39km north-east of Donetsk) and once each near Nevelske (government-controlled, 18km north-west of Donetsk) and near Vidrodzhennia (government-controlled, 66km north-east of Donetsk).
- On 21 November SMM mini-UAVs experienced GPS signal interference, assessed as caused by probable jamming, during three flights: once each over areas near Pervomaisk (non-government-controlled, 58km west of Luhansk), Brianka (non-government-controlled, 46km south-west of Luhansk) and Novyi (non-government-controlled, 54km west of Luhansk).

⁶ 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.

Weapons in violation of withdrawal lines

Date	No. of weapons	Type of weapon	Location	Source of observation
Government-controlled areas				
20/11/2021	1	Surface-to-air missile system (9K33 <i>Osa</i>)	Near Oleksandropillia (71km west of Luhansk)	Patrol
Non-government-controlled areas				
20/11/2021	1	Tank (T-64)	In a residential area of Luhansk city	Patrol

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

Date	No.	Type	Location	Source of observation
Government-controlled areas				
19/11/2021	1	Armoured combat vehicle (BMP type)	Near Bohdanivka (41km south-west of Donetsk)	Mini-UAV
	1	Probable infantry fighting vehicle (BMP type)		
20/11/2021	1	Armoured combat vehicle (BTR variant)	In a residential area of Talakivka (90km south of Donetsk)	Patrol

⁷ 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 21 November 2021⁸

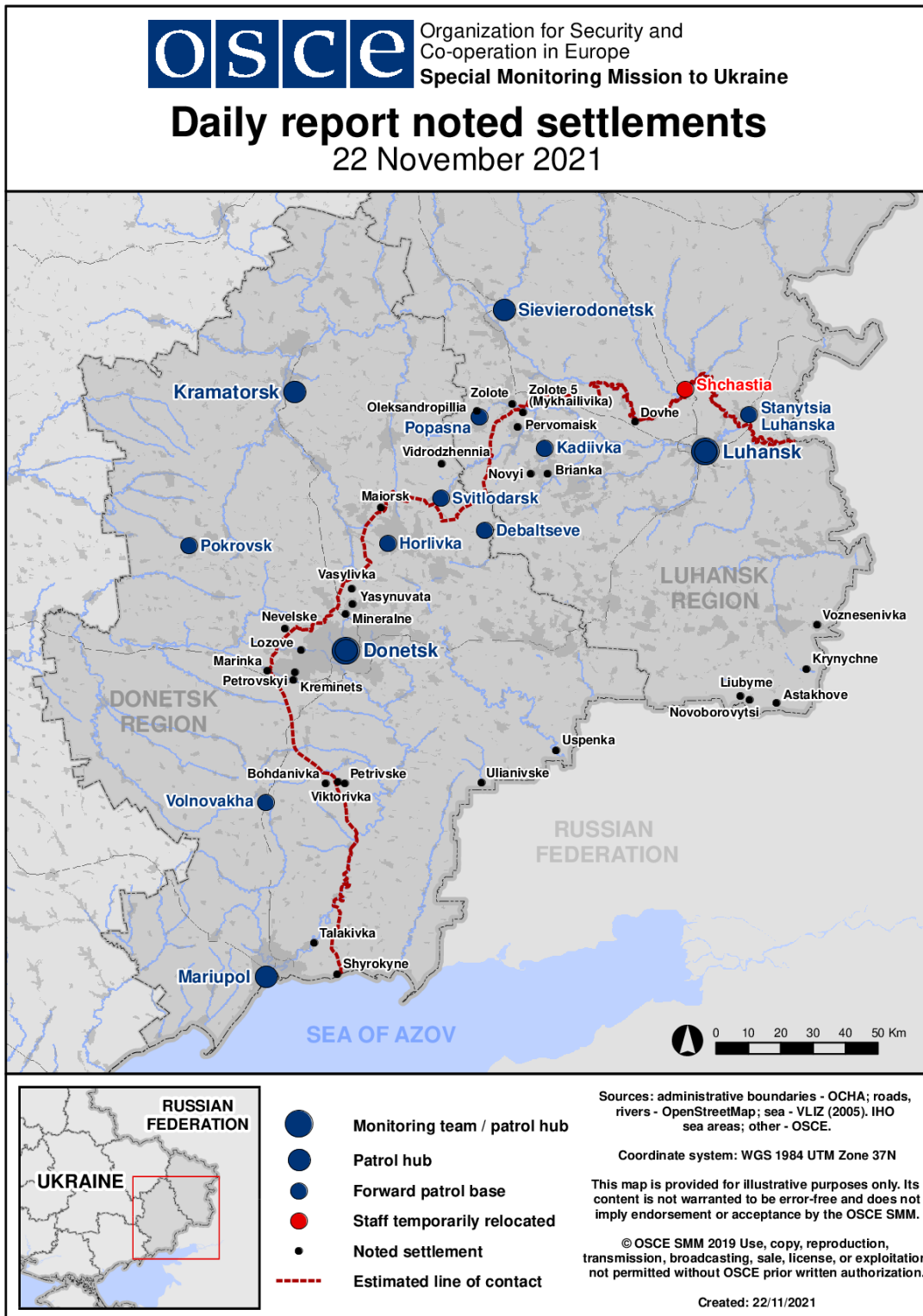
SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera 2km E of Bohdaniivka (government-controlled, 41km SW of Donetsk)	3-5km SE	Recorded	6	Projectile	SW to NE (assessed as outside the disengagement area near Petrivske)	N/K	20-Nov, 16:48
	3-5km SE	Recorded	7	Projectile	WSW to ENE (assessed as outside the disengagement area near Petrivske)	N/K	20-Nov, 16:49
	3-5km SE	Recorded	1	Projectile	WSW to ENE (assessed as outside the disengagement area near Petrivske)	N/K	20-Nov, 16:51
	3-5km SE	Recorded	9	Projectile	WSW to ENE (assessed as outside the disengagement area near Petrivske)	N/K	20-Nov, 17:49
SMM camera in Hranitne (government-controlled, 60km S of Donetsk)	2-4km E	Recorded	1	Projectile	NW to SE	N/K	20-Nov, 02:44
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	2-4km W	Recorded	1	Projectile	NNE to SSW	N/K	19-Nov, 20:46
	1-2km WNW	Recorded	1	Explosion	Undetermined	N/K	19-Nov, 21:56
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	19-Nov, 23:08
	4-6km WSW	Recorded	1	Explosion	Airburst	N/K	19-Nov, 23:08
	1-2km W	Recorded	1	Explosion	Undetermined	N/K	20-Nov, 00:27
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	4-6km N	Recorded	1	Illumination flare	In vertical flight	N/K	19-Nov, 20:06
	4-6km N	Recorded	1	Illumination flare	In vertical flight	N/K	19-Nov, 23:38
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	19-Nov, 23:40
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	19-Nov, 23:41
	4-6km N	Recorded	1	Illumination flare	In vertical flight	N/K	20-Nov, 03:45
	3-5km NNE	Recorded	8	Projectile	W to E	N/K	20-Nov, 05:43
	3-5km NNE	Recorded	3	Burst	W to E	N/K	20-Nov, 05:43
	3-5km N	Recorded	3	Projectile	E to W	N/K	20-Nov, 16:45
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	20-Nov, 17:19
	4-6km N	Recorded	1	Projectile	E to W	N/K	20-Nov, 18:51
4-6km N	Recorded	1	Explosion	Undetermined	N/K	20-Nov, 18:51	
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	4-6km WSW	Recorded	6	Projectile	N to S	N/K	20-Nov, 00:14
Horlivka (non-government-controlled, 39km NE of Donetsk)	3-5km NW	Heard	5	Explosion	Undetermined	N/K	19-Nov, 19:50-19:55
	3-5km NW	Heard	3	Explosion	Undetermined	N/K	19-Nov, 20:50-20:52
	3-5km NW	Heard	6	Explosion	Undetermined	N/K	19-Nov, 22:47-22:49
	3-5km NW	Heard	5	Burst	Undetermined	N/K	19-Nov, 23:23
	3-5km NW	Heard	7	Explosion	Undetermined	N/K	19-Nov, 23:28-23:31
	3-5km NW	Heard	5	Explosion	Undetermined	N/K	20-Nov, 16:13-16:18
	3-5km NW	Heard	6	Burst	Undetermined	N/K	20-Nov, 16:19-16:20
	3-5km W	Heard	1	Explosion	Undetermined	N/K	20-Nov, 17:04
	3-5km W	Heard	2	Explosion	Undetermined	N/K	20-Nov, 17:24
About 9km NW of Horlivka (non-government-controlled, 39km NE of Donetsk)	1km SSW	Heard	1	Shot		Small arms	20-Nov, 10:36
About 2km WNW of Donetsk railway station (non-government-controlled, 6km NW of Donetsk city centre)	2-3km N	Heard	1	Explosion	Outgoing	Mortar (type N/K)	20-Nov, 12:08
	2-3km N	Heard	1	Explosion	Outgoing	Mortar (type N/K)	20-Nov, 12:09
	2-3km N	Heard	1	Explosion	Outgoing	Mortar (type N/K)	20-Nov, 12:11
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	4-6km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	19-Nov, 21:39

⁸ 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
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	6-8km NNW	Heard	14	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	19-Nov, 19:45-20:17
	8-12km NNW	Heard	6	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	19-Nov, 20:17-20:48
N edge of Popasna (government-controlled, 69km W of Luhansk).	5-8km S	Heard	4	Explosion	Undetermined	N/K	19-Nov, 22:26-22:28
	5-8km S	Heard	4	Explosion	Undetermined	N/K	19-Nov, 23:29-23:32
	5-10km SE	Heard	1	Explosion	Undetermined	N/K	19-Nov, 23:31
Holubivka (Formerly Kisrovsk, non-govermmnet - controlled, 51kmm W of Luhansk)	4-6km NW	Heard	2	Burst		Small arms	20-Nov, 09:35
Molodizhne (non-government-controlled 63km NW of Luhansk)	200-400m WNW	Heard	4	Burst	Outgoing (assessed as outside the disengagement area near Zolote)	Small arms	20-Nov, 13:09
SMM camera 2km E of Bohdaniivka (government-controlled, 41km SW of Donetsk)	3-5km SE	Recorded	1	Projectile	WSW to ENE (unable to assess if inside or outside the disengagement area near Petrivske)	N/K	20-Nov, 19:55
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	1-2km W	Recorded	1	Muzzle flash		N/K	20-Nov, 22:36
	1-2km W	Recorded	1	Projectile	SE to NW (subsequent to previous event)	N/K	20-Nov, 22:36
	1-2km W	Recorded	1	Explosion	Undetermined	N/K	20-Nov, 22:37
	1-2km W	Recorded	1	Explosion	Undetermined	N/K	20-Nov, 22:52
	1-2km W	Recorded	1	Explosion	Undetermined	N/K	20-Nov, 23:02
	1-2km W	Recorded	1	Muzzle flash		N/K	20-Nov, 23:13
	1-2km W	Recorded	1	Projectile	NW to SE (subsequent to previous event)	N/K	20-Nov, 23:13
	1-2km W	Recorded	1	Explosion	Undetermined	N/K	20-Nov, 23:30
	1-3km WSW	Recorded	1	Explosion	Airburst	N/K	20-Nov, 23:30
	3-5km NE	Recorded	13	Projectile	NW to SE	N/K	20-Nov, 21:05
3-5km NE	Recorded	3	Projectile	WNW to ESE	N/K	20-Nov, 21:06	
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	3-5km N	Recorded	8	Projectile	W to E	N/K	20-Nov, 20:10
	3-5km N	Recorded	17	Projectile	W to E	N/K	20-Nov, 20:11
	3-5km N	Recorded	9	Projectile	W to E	N/K	20-Nov, 20:12
	3-5km NNE	Recorded	4	Projectile	W to E	N/K	20-Nov, 21:05
	3-5km N	Recorded	7	Projectile	E to W	N/K	20-Nov, 21:08
	3-5km N	Recorded	2	Projectile	E to W	N/K	20-Nov, 21:52
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	20-Nov, 21:54
	3-5km N	Recorded	25	Projectile	W to E	N/K	20-Nov, 23:12
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	20-Nov, 23:20
	3-5km NNE	Recorded	3	Projectile	W to E	N/K	20-Nov, 23:59
	3-5km NNE	Recorded	2	Projectile	SW to NE	N/K	20-Nov, 23:59
	3-5km N	Recorded	2	Projectile	W to E	N/K	21-Nov, 02:21
	3-5km NNE	Recorded	2	Projectile	ESE to WNW	N/K	21-Nov, 16:50
	3-5km N	Recorded	1	Projectile	SW to NE	N/K	21-Nov, 16:54
	3-5km N	Recorded	1	Projectile	WSW to ENE	N/K	21-Nov, 16:54
	6-8km N	Recorded	1	Illumination flare	In vertical flight	N/K	21-Nov, 17:53
About 3-5km SW of Donetsk city centre (non-government-controlled)	8-9km N	Heard	5	Explosion	Undetermined	N/K	21-Nov, 07:15
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	4-5km SW	Heard	1	Explosion	Undetermined	N/K	21-Nov, 09:48
About 1km NE of Kashtanove (non-government-controlled, 13km N of Donetsk)	2-3km W	Heard	1	Explosion	Undetermined	N/K	21-Nov, 10:58
About 700m WSW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	1-2km W	Heard	1	Explosion	Undetermined	N/K	21-Nov, 11:50
Staromykhailivka (non-government-controlled, 15km W of Donetsk)	3-5km WNW	Heard	2	Explosion	Undetermined	N/K	21-Nov, 11:40-11:42
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	3-5km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	20-Nov, 19:20
2km ENE Vesela Hora (non-government-controlled, 16km north of Luhansk)	10-12km W	Heard	1	Explosion	Undetermined	N/K	21-Nov, 11:21

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
Pervomaisk (non-government-controlled, 58km W of Luhansk)	4-6km W	Heard	4	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	21-Nov, 11:44-11:54
1km NNE Kalynove-Borshchuvate (non-government-controlled, 61km west of Luhansk)	2-4km WNW	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	21-Nov, 12:35-12:45
	2-4km WNW	Heard	20	Burst	Assessed as outside the disengagement area near Zolote	HMG	21-Nov, 12:35-12:45

Map of Donetsk and Luhansk regions⁹



⁹ 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).