



Daily Report 250/2021

25 October 2021¹

Summary

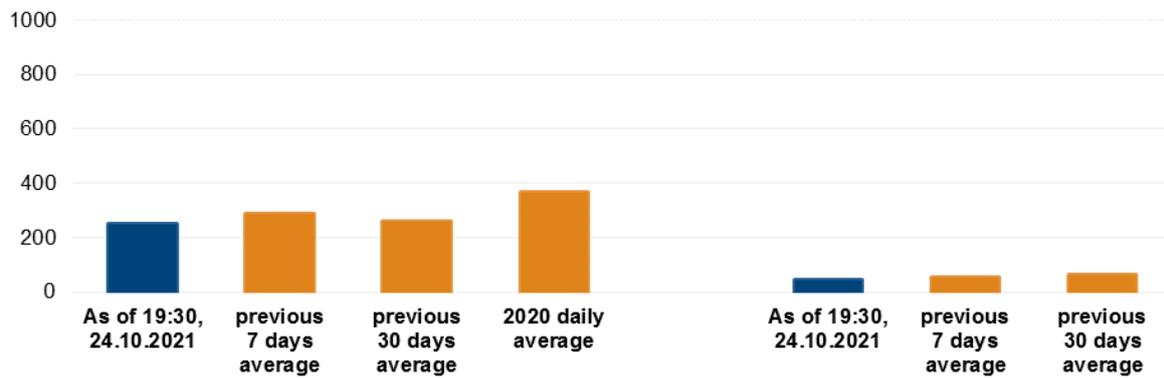
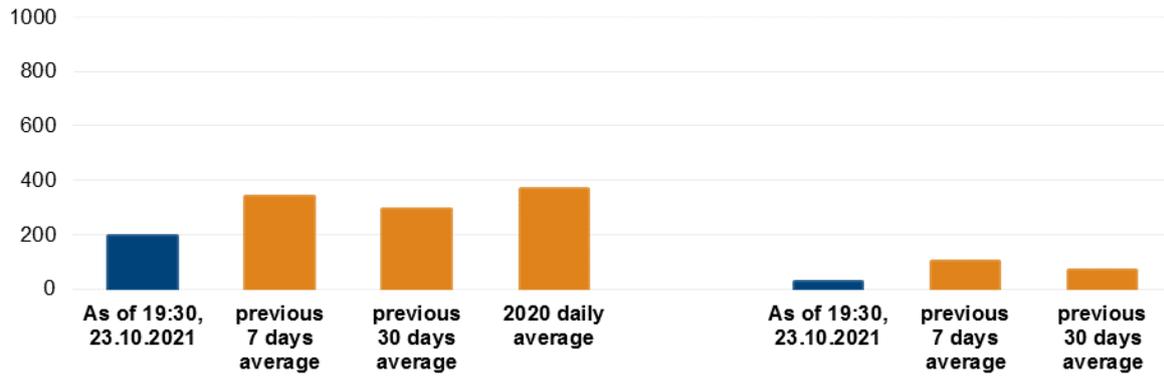
- In Donetsk region, between the evenings of 22 and 24 October, the SMM recorded 406 ceasefire violations, including 60 explosions. In the previous reporting period, it recorded 134 ceasefire violations in the region.
- In Luhansk region, between the evenings of 22 and 24 October, the Mission recorded 37 ceasefire violations, including 12 explosions. In the previous reporting period, it recorded 49 ceasefire violations in the region.
- The SMM observed that the gathering in front of the hotel where Mission members reside in non-government-controlled Donetsk city ended on 23 October. The SMM resumed its regular operations on 24 October.
- The Mission followed up on reports of damage to two civilian properties in Zolote-5/Mykhailivka, Luhansk region.
- The SMM continued monitoring the disengagement areas near Stanytsia Luhanska, Zolote and Petrivske. It recorded ceasefire violations inside the disengagement areas near Zolote and Petrivske.
- The Mission facilitated and monitored adherence to localized ceasefires to enable the operation and repairs of critical civilian infrastructure.
- The SMM continued following up on the situation of civilians, including at four entry-exit checkpoints and three corresponding checkpoints of the armed formations in Donetsk and Luhansk regions.
- The Mission's freedom of movement continued to be restricted. Its unmanned aerial vehicles again experienced multiple instances of jamming and probable jamming.*

¹ Based on information from the Monitoring Teams as of 19:30, 24 October 2021. All times are in Eastern European Summer 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.

³ Including explosions.

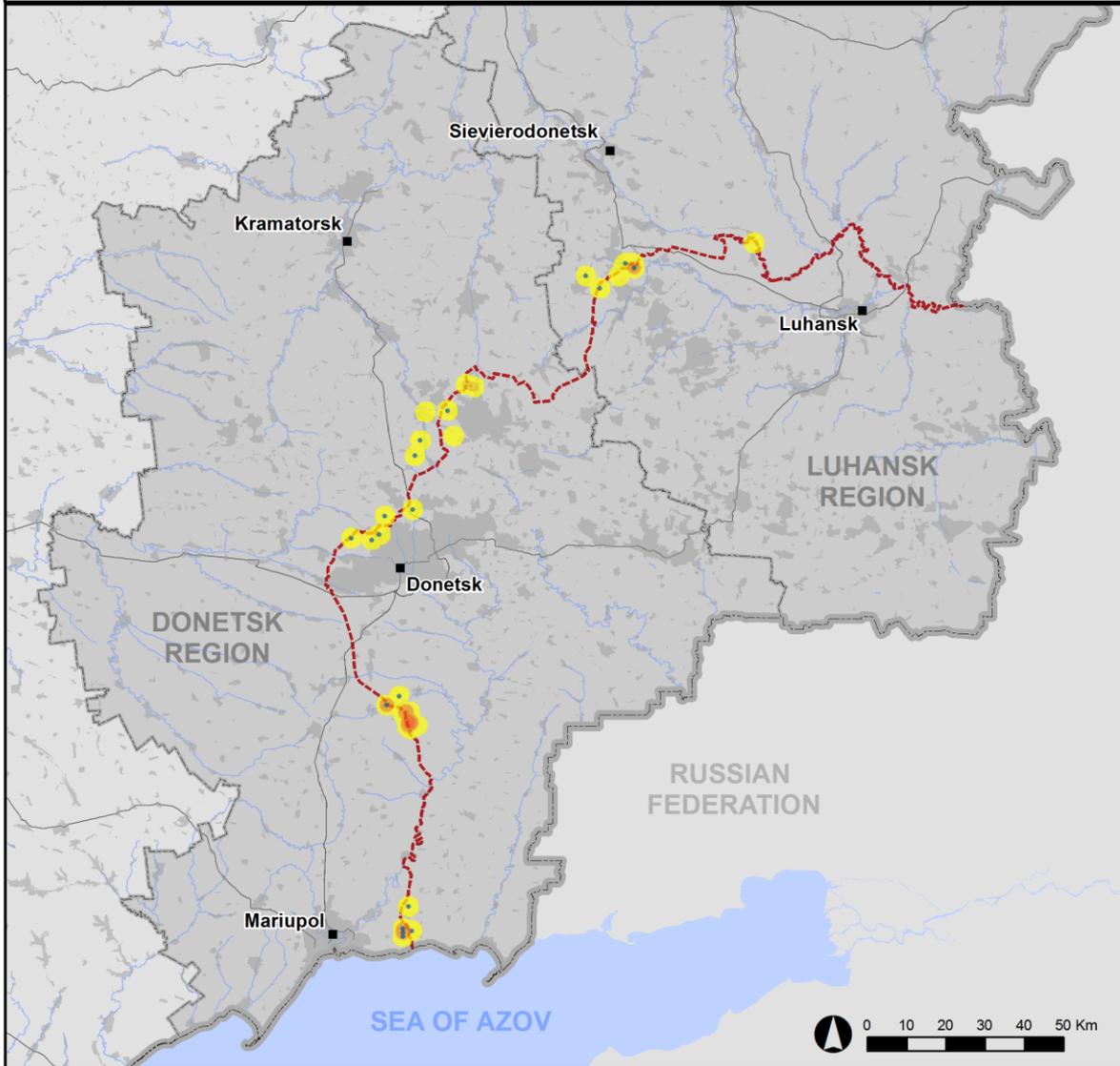
⁴ Including from unidentified weapons.

Map of recorded ceasefire violations

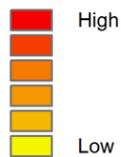


Organization for Security and
Co-operation in Europe
Special Monitoring Mission to Ukraine

Ceasefire violations observed by the SMM 23-24 October 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: 24/10/2021

In Donetsk region, between the evenings of 22 and 24 October, the SMM recorded 406 ceasefire violations, including 60 explosions (one airburst, five impacts and 54 undetermined). The majority of ceasefire violations occurred inside and near the disengagement area near Petrivske (non-government-controlled, 41km south of Donetsk) (see below) on the nights of 22-23 and 23-24 October and in areas north of Shyrokyne (government-controlled, 100km south of Donetsk) on the evening of 23 October. In the [previous reporting period](#), the Mission recorded 134 ceasefire violations in the region, the majority of which also occurred inside the disengagement area near Petrivske.

In Luhansk region, between the evenings of 22 and 24 October, the SMM recorded 37 ceasefire violations, including 12 undetermined explosions. The majority of ceasefire violations occurred at easterly directions of the disengagement area near Zolote (government-controlled, 60km west of Luhansk) (see below). In the [previous reporting period](#), the Mission recorded 49 ceasefire violations in the region, all of which also occurred in areas near 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 67,390 ceasefire violations in both Donetsk and Luhansk regions (including 18,549 explosions, 14,241 projectiles in flight, 310 muzzle flashes, 270 illumination flares and at least 34,020 bursts and shots).

The gathering in front of the hotel where Mission members reside in non-government-controlled Donetsk city ended

Up to the evening of 23 October, the SMM continued to observe a gathering in front of the hotel where Mission members reside in the central part of non-government-controlled Donetsk city. For security reasons, there continued to be no patrol movement in and out of its premises.

During the night of 22-23 October, the Mission observed a gathering of approximately 20 people (mixed gender and ages) in the area around the hotel, and of up to 150 people (mixed genders and ages) during the day on 23 October.

On the morning of 23 October, three Mission members exited the hotel to perform vehicle checks in the hotel parking lot. Four protesters (men in their twenties, thirties and forties) in civilian clothes observed and filmed the Mission members performing these checks.

During the day on 23 October, the SMM saw some of the protesters assemble at various times in front of the hotel, singing songs, giving speeches and holding up placards with messages critical of the Mission's activities, as well as playing loud music over speakers and projecting a film directly onto the south wing facade of the hotel building.

On several occasions during the reporting period, the Mission observed four members of the armed formations in two vehicles with the inscription "police" on them, blocking the driveways to the eastern and western entrances to the hotel. (For previous observations in the area, see [SMM Daily Report of 23 October 2021](#).)

On the afternoon on 23 October, two protesters (men, in their twenties) who introduced themselves as "representatives" of the wider group of protesters, informed two Mission members that as a consequence of a worsening situation related to COVID-19 in Donetsk City,

all public gatherings were suspended and that the protest would continue online. They said they would remove all of the infrastructure, but that they might not be able to clear everything that night. Also, the “mayor” of Donetsk city gave a speech to the protesters in front of the hotel, calling for an end to the in-person protest and saying that the protest would continue online in view of the COVID-19 situation, after which the gathering ended.

By 24 October, the SMM observed all tents had been removed except two large, military-style tents in front of the hotel, the mobile kitchen, as well as one car marked “police” parked near the western entrance driveway of the hotel, but not blocking it. The Mission resumed its regular operations from the morning of 24 October.

Damage to two civilian properties in non-government-controlled Zolote 5/Mykhailivka, Luhansk region

On 22 October, the Mission followed up on reports of damage to two civilian properties in the southern part of Zolote-5/Mykhailivka (non-government-controlled, 60km west of Luhansk).

At 8 Voikova Street, in a four-storey residential building, the SMM saw two holes in two panes in a north-north-east facing triple-pane window of an apartment on the second floor, as well as glass shards and a 7.62mm caliber bullet lying in between the panes of glass. On the third floor, in another apartment’s north-facing wall, it also observed broken glass from a double-glazed bedroom window, a circular hole in the outer pane, as well as glass shards between the panes.

In both cases, the Mission assessed the damage as recent and caused by small-arms fire.

On the same day, two woman (in their fifties), who introduced themselves as the owners of those apartments, told the SMM that they were in the building on the evenings of 17 October, when the window of the apartment on the second floor was damaged, and on 18 October, when the window of the apartment on the third floor was damaged, and that they had heard shots fired in the vicinity.

Disengagement areas near Stanytsia Luhanska, Zolote and Petrivske⁵

On 23 and 24 October, while positioned inside the **disengagement area near Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk), the Mission observed a calm situation.

On the evening of 22 October, the SMM camera in Zolote recorded two projectiles in flight at an assessed range of 3-4km south-south-east, both assessed as inside the **disengagement area near Zolote**.

During the day on 23 October, while positioned at two locations near the disengagement area, the SMM heard eight undetermined explosions, 20 bursts and shots of small-arms and heavy-machine-gun fire, all at an assessed range of 2-3km north-north-east, all assessed as outside the disengagement area, but within its 5km periphery.

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

During the night of 23 and 24 October, the SMM camera in Zolote recorded one undetermined explosion, one projectile in flight and an illumination flare at assessed range of 2-6km east and east-south-east, all assessed as outside the disengagement area but within its 5km periphery.

On 24 October, while positioned on the northern edge of Pervomaisk (non-government-controlled, 58km west of Luhansk), the SMM heard two undetermined explosions at an assessed range of 3-4km west, assessed as outside the disengagement area, but within 5km of its periphery.

During the same day, while positioned on the southern edge of the area, the SMM heard one undetermined explosion at an assessed range of 8-10km west, assessed as outside the disengagement area, but within 5km of its periphery.

During the days of 23 and 24 October, near the checkpoint south of the area, the SMM saw members of the armed formations (wearing armbands with "JCCC" written on them). The Mission again saw the seven previously observed containers located south of the area's southern edge and inside the disengagement area. It [again](#) saw that the road barriers across road T-1316, on the area's southern edge, were closed.

On 24 October, while positioned inside the disengagement area, about 450m north of the area's southern edge, the SMM observed for the first time two metal boxes and a wooden box, placed across road T-1316, assessed as ammunition boxes. The Mission saw that one of the metal boxes was filled with stones and had a piece of black plastic attached to it. Near the permanently installed vehicle control gate, about 350m north of the southern edge of the area, two members of the armed formations (wearing armbands with "JCCC" written on them) told the SMM that they did not know who had placed the boxes on the road nor what was in them. They also denied the Mission passage southwards, citing "not having received orders from superiors". The SMM patrol proceeded then northwards on road T-1316, and it observed another metal box (also assessed as an ammunition box) on the western edge of the road, about 70m south of the railway bridge, 1km south of the area's northern edge. The SMM left the area in a northern direction (see below)*.

During the evening of the same day, the SMM camera in Zolote recorded one explosion at an assessed range of 2-4km east, assessed as outside the disengagement area but within 5km of its periphery.

On 24 October, while flying over areas inside the disengagement area, an SMM mini-UAV experienced GPS signal interference, assessed as caused by probable jamming (see below)*.

During the night of 22-23 October, the SMM camera 2km east of Bohdanivka (government-controlled, 41km south-west of Donetsk) recorded 33 projectiles in flight at an assessed range of 2-4km east-south-east, assessed as inside the **disengagement area near Petrivske** (non-government-controlled, 41km south of Donetsk), four projectiles at an assessed range of 3-5km south-east, assessed as outside the disengagement area and 23 projectiles in flight at an assessed range of 3-6km east-south-east, unable to be assessed if inside or outside the disengagement area.

During the day of 23 October, SMM camera in Petrivske (non-government-controlled, 41km, south of Donetsk) recorded one illumination flare at an assessed range of 1-3km west, assessed as outside the disengagement area, but within its 5km periphery.

On the evening of 23 October, the SMM camera in Bohdanivka recorded 77 projectiles in flight at an assessed range of 2-4km east-south-east, assessed as inside the disengagement area, and four projectiles in flight at an assessed range of 3-5km south-east, assessed as outside the disengagement area, but within its 5km periphery.

During the night of 24 October, the SMM camera in Bohdanivka recorded 40 projectiles in flight at an assessed range of 2-4km east-south-east, assessed as inside the disengagement area near Petrivske, and three projectiles in flight at an assessed range of 2-4km south-east, unable to be assessed as either inside or outside the area.

On 24 October, while positioned about 2km north of Petrivske, the Mission heard 64 shots of small-arms fire at an assessed range of 1-3km west, assessed as outside the disengagement area, but within its 5km periphery.

Due to the gathering in front of the hotel where Mission members reside (see above), the SMM was unable to send a patrol to monitor the disengagement area near Petrivske on 23 October, but was able to do so on 24 October, after the gathering had ended.*

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.

Beyond withdrawal lines but outside designated storage sites, the SMM observed three tanks in residential areas in government-controlled areas of Donetsk region. (For further information, see the table below.)

SMM facilitation of operation and repair of critical civilian infrastructure

On 23 and 24 October, the Mission continued to facilitate the operation and repair works of the Donetsk Filtration Station (DFS) (15km north of Donetsk). On 23 October, while positioned on the eastern edge of Avdiivka (government-controlled, 17km north of Donetsk), the SMM heard three undetermined explosions, assessed as inside a 5km radius of the DFS.

On 23 and 24 October, the SMM also monitored adherence to a localized ceasefire to enable the construction of a road near Vodiane (government-controlled, 94km south of Donetsk).

Situation at entry-exit checkpoints and corresponding checkpoints

On 23 and 24 October, in Donetsk region, the Mission saw that the entry-exit checkpoint (EECP) near Maiorsk (government-controlled, 45km north-east of Donetsk) was open, but did not observe any civilian traffic passing through.

On 23 and 24 October, in Luhansk region, the Mission observed that the EECP near Stanytsia Luhanska and the corresponding checkpoint of the armed formations south of the Stanytsia Luhanska bridge were open, but did not observe people queuing to travel in either directions. On both days, near the document processing booths of the EECP, the SMM saw workers (men in their fifties) operating a crane and carrying out construction works on a pedestrian shelter. (For previous observations in the area, see [SMM Daily Report of 23 October 2021](#).)

On 23 and 24 October, the SMM noted that the EECPs near Zolote and Shchastia 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. While in the area, the SMM observed five soldiers of Ukrainian Armed Forces (men, age unknown) dismantling the bus stop construction located at about 70m north of the northern edge of the disengagement area near Zolote.

Additionally, on 23 October, at a former checkpoint of the armed formations near Chornukhyne (non-government-controlled, 64km south-west of Luhansk), the Mission noted that civilian traffic was passing through in both directions between non-government-controlled areas of Donetsk and Luhansk regions without being stopped.

On 24 October, at a checkpoint of the armed formations near Debaltseve (non-government-controlled, 58km north-east of Donetsk), the Mission noted that civilian traffic was passing through in both directions between non-government-controlled areas of Donetsk and Luhansk regions without being stopped.

Security situation in east and south-east Kherson region

From 21 to 23 October, the SMM monitored areas in east and south-east Kherson region at checkpoints near Chonhar (163km south-east of Kherson), Kalanchak (67km south-east of Kherson), Chaplynka (77km south-east of Kherson), along the coast of the Sea of Azov near Novotroitske (135km east of Kherson), Novooleksiivka (162km east of Kherson) and Henichesk (176km east of Kherson), as well as along the North Crimean canal. While monitoring these areas, the Mission observed no change in the security situation.

The SMM 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, 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, see [SMM Daily Report of 20 October 2021](#)). 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:

- On 24 October, while positioned inside the disengagement area near Zolote (60km west of Luhansk), two members of the armed formations (wearing armbands with "JCCC" written on them) denied the Mission passage south on road T-1316 citing "lack of orders from superiors to allow the SMM to travel across the contact line". The SMM turned around and left the area in a northern direction (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.

Conditional access:

- On 22 October, at about 4km east of a checkpoint of the armed formations on road N-15 near the Kargil plant in Kremiets (non-government-controlled, 16km south-west of Donetsk) two armed members of the armed formations stopped the Mission and told it that "it had to be escorted while driving through non-government controlled areas". Subsequently, the two members of the armed formations followed the SMM's patrol until the Mission reached the boundary line between non-government-controlled areas of Donetsk and Luhansk regions.
- On 23 October, while attempting to access its camera site on the northern edge of Kriakivka (government-controlled, 38km north-west of Luhansk), a soldier of the Ukrainian Armed Forces told the SMM that it would be allowed to do so only if the SMM parked its vehicle about 500m away from the camera site and then walked to the camera site for about 500m. After having waited for 15 minutes to be allowed to drive up to the camera site, the Mission left the area.

Other impediments:⁶

- As a result of an ongoing protest in Donetsk city, the SMM was unable to deploy any patrols from that location on 23 October to conduct its mandated tasks. (See above.)
- On 23 October, while conducting a test flight, an SMM long-range UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying over areas near government-controlled Varvarivka (81km north-west of Donetsk) and near Pryvillia (85km north of Donetsk). The same UAV experienced dual GPS signal interference, assessed as caused by jamming, while flying over areas near Kalynove (government-controlled, 35km north of Donetsk).
- On the same day, an SMM mid-range UAV experienced GPS signal interference, assessed as caused by probable jamming, during one flight over areas near Orlyvske (government-controlled, 82km south of Donetsk).
- On the same day, SMM mini-UAVs experienced GPS signal interference, assessed as caused by probable jamming, during two flights over areas near Toretsk (formerly Dzerzhynsk, government-controlled, 43km north of Donetsk).
- On 24 October, while conducting a test flight, an SMM long-range UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying over areas near government-controlled Rohanske (79km north-west of Donetsk) and near Novoandriivka (75km north-west of Donetsk). The same UAV experienced dual GPS signal interference, assessed as caused by jamming, while flying over areas near Kostiantynivka (government-controlled, 60km north of Donetsk).

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 UAV's position.

- On the same day, SMM mini-UAVs experienced GPS signal interference, assessed as caused by probable jamming during five flights: twice over areas near Zolote (government-controlled, 60km west of Luhansk) and once over areas near Zymohiria (non-government-controlled, 27km west of Luhansk), near Donetsk's Kuibyshevskyi district (non-government-controlled, 5km west of Donetsk) and near Kalynove (government-controlled, 35km north of Donetsk) respectively.

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				
24/10/2021	1	Tank (type undetermined)	Near Spirne (96km north of Donetsk)	Patrol
24/10/2021	2	Tank (T-72)	In a residential area of Kostiantynivka (60km north of Donetsk)	Patrol

Table of ceasefire violations as of 24 October 2021⁷

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	2-4km ESE	Recorded	4	Projectile	WSW to ENE (assessed as inside the disengagement area near Petrivske)	N/K	22-Oct, 21:02
	2-4km ESE	Recorded	2	Projectile	NNW to SSE (assessed as inside the disengagement area near Petrivske)	N/K	22-Oct, 21:20
	2-4km ESE	Recorded	1	Muzzle flash	Assessed as inside the disengagement area near Petrivske	N/K	22-Oct, 21:32
	2-4km ESE	Recorded	1	Projectile	NNE to SSW (subsequent to previous event (assessed as inside the disengagement area near Petrivske)	N/K	22-Oct, 21:32
	4-6km ESE	Recorded	2	Projectile	WSW to ENE (unable to assess if inside or outside the disengagement area near Petrivske)	N/K	23-Oct, 00:02
	2-4km ESE	Recorded	2	Projectile	WSW to ENE (assessed as inside the disengagement area near Petrivske)	N/K	23-Oct, 01:13
	2-4km SE	Recorded	10	Projectile	W to E (unable to be assess if inside or outside the disengagement area near Petrivske)	N/K	23-Oct, 01:14
	2-4km ESE	Recorded	3	Projectile	NNW to SSE (assessed as inside the disengagement area near Petrivske)	N/K	23-Oct, 01:16
	2-4km ESE	Recorded	3	Projectile	WSW to (assessed as inside the disengagement area near Petrivske)	N/K	23-Oct, 01:18
	2-4km ESE	Recorded	4	Projectile	WSW to ENE (assessed as inside the disengagement area near Petrivske)	N/K	23-Oct, 01:19
	2-4km ESE	Recorded	1	Projectile	NNW to SSE (assessed as inside the disengagement area near Petrivske)	N/K	23-Oct, 01:20
	2-4km ESE	Recorded	4	Projectile	WSW to ENE (assessed as inside the disengagement area near Petrivske)	N/K	23-Oct, 01:22
	2-4km SE	Recorded	1	Projectile	WNW to ESE (unable to be assess if inside or outside the disengagement area near Petrivske)	N/K	23-Oct, 01:22
	2-4km ESE	Recorded	3	Projectile	WSW to ENE (assessed as inside the disengagement area near Petrivske)	N/K	23-Oct, 01:53
	2-4km SE	Recorded	1	Projectile	WNW to ESE (unable to be assess if inside or outside the disengagement area near Petrivske)	N/K	23-Oct, 01:53
	2-4km SE	Recorded	2	Projectile	WNW to ESE (unable to be assess if inside or outside the disengagement area near Petrivske)	N/K	23-Oct, 01:54
	3-4km ESE	Recorded	2	Projectile	WSW to ENE (unable to be assess if inside or outside the disengagement area near Petrivske)	N/K	23-Oct, 01:54
	3-5km ESE	Recorded	2	Projectile	WSW to ENE (unable to be assess if inside or outside the disengagement area near Petrivske)	N/K	23-Oct, 01:57

⁷ 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.

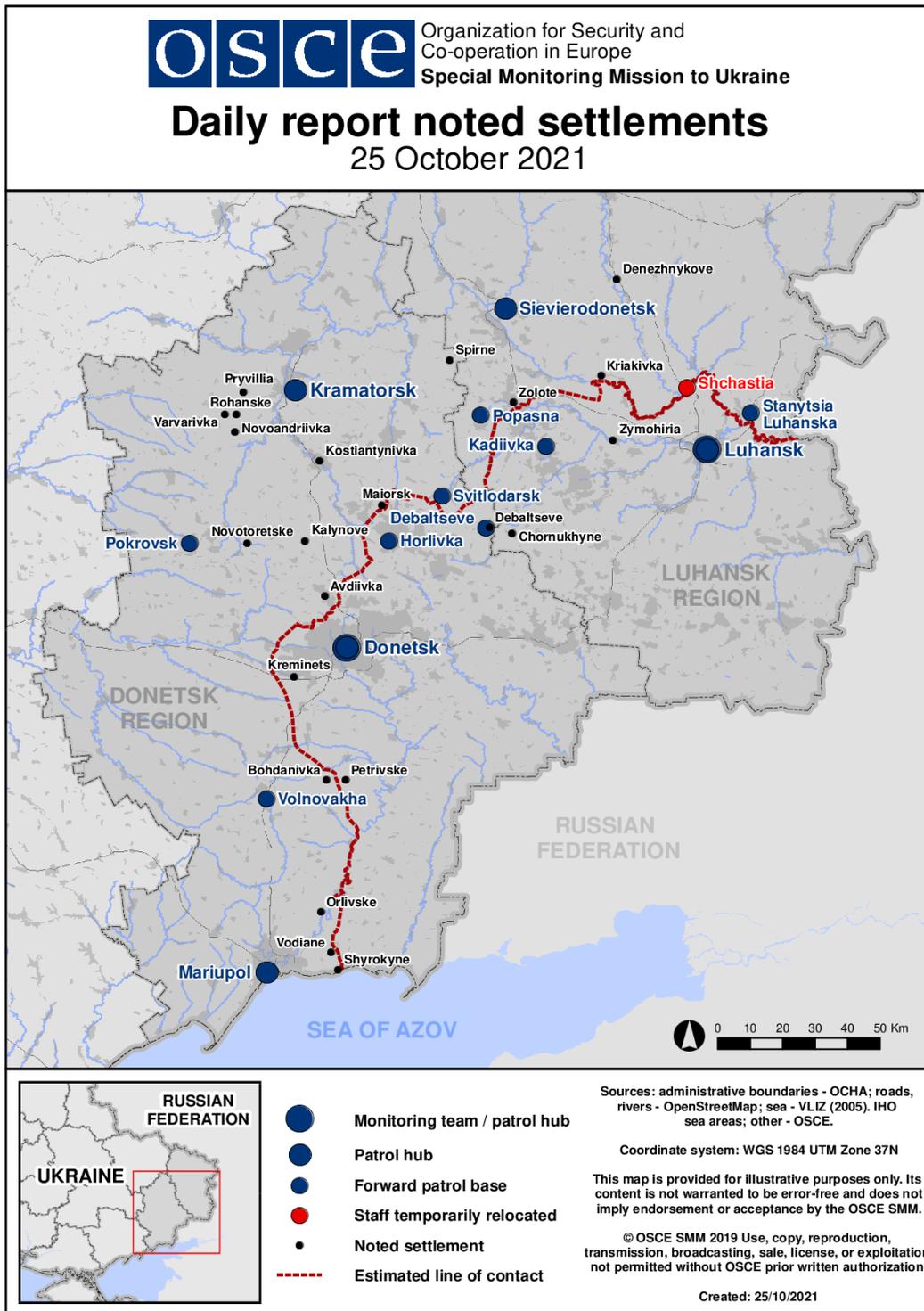
SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	3-5km SE	Recorded	2	Projectile	In vertical flight (unable to be assess if inside or outside the disengagement area near Petrivske)	N/K	23-Oct, 01:58
	3-5km ESE	Recorded	1	Projectile	WNW to ESE (unable to be assess if inside or outside the disengagement area near Petrivske)	N/K	23-Oct, 01:58
	2-4km ESE	Recorded	4	Projectile	SSW to NNE (assessed as inside the disengagement area near Petrivske)	N/K	23-Oct, 02:02
	2-4km ESE	Recorded	1	Projectile	WNW to ESE (assessed as inside the disengagement area near Petrivske)	N/K	23-Oct, 02:03
	2-4km ESE	Recorded	1	Projectile	WSW to ENE (assessed as inside the disengagement area near Petrivske)	N/K	23-Oct, 02:03
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1-2km ENE	Recorded	9	Projectile	In vertical flight	N/K	22-Oct, 21:21
	1-2km ENE	Recorded	1	Projectile	In vertical flight	N/K	22-Oct, 21:22
	3-4km E	Recorded	5	Projectile	NNW to SSE	N/K	23-Oct, 00:47
	3-4km E	Recorded	6	Projectile	NNW to SSE	N/K	23-Oct, 00:48
SMM camera in Petrivske (non-government-controlled, 41km Sof Donetsk)	1-3km W	Recorded	1	Illumination flare	In vertical flight (assessed as outside the disengagement area near Petrivske)	N/K	23-Oct, 18:40
SMM camera 1km SW of Shyrokyne (government-controlled, 100km Sof Donetsk)	4-6km N	Recorded	1	Muzzle flash		N/K	22-Oct, 20:02
	4-6km N	Recorded	1	Muzzle flash		N/K	22-Oct, 20:08
	3-5km N	Recorded	1	Muzzle flash		N/K	22-Oct, 20:39
	3-5km N	Recorded	1	Projectile	E to W (subsequent to previous event)	N/K	22-Oct, 20:39
	3-5km N	Recorded	1	Explosion	Airburst (subsequent to previous event)	N/K	22-Oct, 20:39
	4-6km N	Recorded	18	Projectile	E to W	N/K	22-Oct, 20:39
	4-6km N	Recorded	2	Explosion	Undetermined	N/K	22-Oct, 20:52
	5-7km NNE	Recorded	1	Explosion	Undetermined	N/K	22-Oct, 21:14
	4-6km N	Recorded	1	Muzzle flash		N/K	23-Oct, 18:37
4-6km N	Recorded	1	Projectile	S to N (subsequent to previous event)	N/K	23-Oct, 18:37	
E edge of Avdiivka (government-controlled, 17km N of Donetsk)	4-6km SE	Heard	3	Explosion	Undetermined	N/K	23-Oct, 10:21-10:25
S part of Avdiivka (government-controlled, 17km N of Donetsk)	3-4km SSW	Heard	2	Explosion	Undetermined	N/K	23-Oct, 11:08
About 2km WSW of Zalizne (formerly Artemove, government-controlled, 42km NE of Donetsk)	2-4km SSW	Heard	4	Burst		HMG	23-Oct, 10:41
Troitske (government-controlled, 30km N of Donetsk)	3-5km SW	Heard	2	Explosion	Undetermined	N/K	23-Oct, 11:05
	3-5km SW	Heard	1	Burst		HMG	23-Oct, 11:05
About 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	4-5km NW	Heard	8	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	23-Oct, 13:10-13:16
	4-5km NW	Heard	16	Burst	Assessed as outside the disengagement area near Petrivske	HMG	23-Oct, 13:10-13:16
	4-5km NW	Heard	9	Burst	Assessed as outside the disengagement area near Petrivske	AGL	23-Oct, 13:10-13:16
	4-5km NW	Heard	12	Burst	Assessed as outside the disengagement area near Petrivske	HMG	23-Oct, 13:18-13:22
Horlivka (non-government-controlled, 39km NE of Donetsk)	4-5km WSW	Heard	5	Shot		Small arms	23-Oct, 16:15
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	3-4km SSE	Recorded	2	Projectile	WSW to ENE (assessed as inside the disengagement area)	N/K	22-Oct, 21:22
	2-3km NNE	Heard	8	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	23-Oct, 14:38-14:57

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
S edge of Zolote 5/Mykhailivka (non-government-controlled, 60km west of Luhansk)	2-3km NNE	Heard	10	Shot	Assessed as outside the disengagement area near Zolote	MG	23-Oct, 14:38-14:57
	2-3km NNE	Heard	3	Burst	Assessed as outside the disengagement area near Zolote	HMG	23-Oct, 14:38-14:57
	2-3km NNE	Heard	7	Burst	Assessed as outside the disengagement area near Zolote	Small arms	23-Oct, 14:38-14:57
SMM camera 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	2-4km ESE	Recorded	1	Projectile	WSW to ENE (assessed as inside the disengagement area near Petrivske)	N/K	24-Oct, 00:21
	2-4km ESE	Recorded	6	Projectile	WSW to ENE (assessed as inside the disengagement area near Petrivske)	N/K	23-Oct, 21:01
	2-4km ESE	Recorded	6	Projectile	NNW to SSE (assessed as inside the disengagement area near Petrivske)	N/K	23-Oct, 21:14
	3-5km SE	Recorded	4	Projectile	WSW to ENE (assessed as outside the disengagement area near Petrivske)	N/K	23-Oct, 21:14
	2-4km ESE	Recorded	20	Projectile	NNW to SSE (assessed as inside the disengagement area near Petrivske)	N/K	23-Oct, 21:38
	2-4km ESE	Recorded	29	Projectile	NNW to SSE (assessed as inside the disengagement area near Petrivske)	N/K	23-Oct, 21:39
	2-4km ESE	Recorded	13	Projectile	WSW to ENE (assessed as inside the disengagement area near Petrivske)	N/K	23-Oct, 23:19
	2-4km ESE	Recorded	3	Projectile	WSW to ENE (assessed as inside the disengagement area near Petrivske)	N/K	23-Oct, 23:20
	2-4km ESE	Recorded	14	Projectile	WSW to ENE (assessed as inside the disengagement area near Petrivske)	N/K	24-Oct, 00:00
	2-4km ESE	Recorded	1	Projectile	WSW to ENE (assessed as inside the disengagement area near Petrivske)	N/K	24-Oct, 00:02
	2-4km SE	Recorded	1	Projectile	WNW to ESE (unable to be assess if inside or outside the disengagement area near Petrivske)	N/K	24-Oct, 00:02
	2-4km SE	Recorded	1	Projectile	WSW to ENE (assessed as inside the disengagement area near Petrivske)	N/K	24-Oct, 00:28
	2-4km SE	Recorded	5	Projectile	WSW to ENE (assessed as inside the disengagement area near Petrivske)	N/K	24-Oct, 00:29
	2-4km ESE	Recorded	6	Projectile	WSW to ENE (assessed as inside the disengagement area near Petrivske)	N/K	24-Oct, 01:02
	2-4km ESE	Recorded	5	Projectile	WSW to ENE (assessed as inside the disengagement area near Petrivske)	N/K	24-Oct, 01:08
	2-4km ESE	Recorded	1	Projectile	WSW to ENE (assessed as inside the disengagement area near Petrivske)	N/K	24-Oct, 01:14
	2-4km SE	Recorded	1	Projectile	In vertical flight (unable to be assess if inside or outside the disengagement area near Petrivske)	N/K	24-Oct, 01:14
	2-4km ESE	Recorded	6	Projectile	WSW to ENE (assessed as inside the disengagement area near Petrivske)	N/K	24-Oct, 01:16
	2-4km SE	Recorded	1	Projectile	W to E (unable to be assess if inside or outside the disengagement area near Petrivske)	N/K	24-Oct, 05:18
		0.3-0.5km W	Recorded	1	Muzzle flash		N/K

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	0.3-0.5km W	Recorded	1	Projectile	NE to SW (subsequent to previous event)	N/K	24-Oct, 18:04
	0.3-0.5km W	Recorded	1	Muzzle flash		N/K	24-Oct, 18:04
	0.3-0.5km W	Recorded	1	Projectile	NE to SW (subsequent to previous event)	N/K	24-Oct, 18:04
	0.5-1km W	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	24-Oct, 18:04
SMM camera 1km SW of Shyrokyne (government-controlled, 100km Sof Donetsk)	4-6km N	Recorded	1	Projectile	W to E	N/K	23-Oct, 19:26
	4-6km N	Recorded	2	Projectile	WSW to ENE	N/K	23-Oct, 19:27
	4-6km N	Recorded	3	Projectile	WSW to ENE	N/K	23-Oct, 19:28
	4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	23-Oct, 19:29
	5-7km N	Recorded	1	Projectile	W to E	N/K	23-Oct, 20:35
	5-7km N	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	23-Oct, 20:35
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 20:35
	5-7km N	Recorded	11	Explosion	Undetermined	N/K	23-Oct, 20:36
	5-7km N	Recorded	3	Projectile	W to E	N/K	23-Oct, 20:36
	5-7km N	Recorded	3	Explosion	Impact (subsequent to previous event)	N/K	23-Oct, 20:36
	5-7km N	Recorded	3	Explosion		N/K	23-Oct, 20:36
	5-7km N	Recorded	9	Explosion	Undetermined	N/K	23-Oct, 20:37
	5-7km N	Recorded	2	Explosion	Undetermined	N/K	23-Oct, 20:38
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	24-Oct, 18:55
	4-6km N	Recorded	2	Projectile	W to E	N/K	24-Oct, 18:58
4-6km N	Recorded	1	Explosion	Undetermined	N/K	24-Oct, 18:58	
About 2km NE of Chernenko (government-controlled, 86km Sof Donetsk)	5-6km SE	Heard	2	Explosion	Undetermined	N/K	24-Oct, 10:10
About 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	5-6km N	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	24-Oct, 10:49
	1-2km NE	Heard	2	Shot	Assessed as outside the disengagement area near Petrivske	Small arms	24-Oct, 12:07
About 2km SE of Pervomaiske (government-controlled, 17km NW of Donetsk)	3-5km SSW	Heard	1	Explosion	Undetermined	N/K	24-Oct, 10:48
About 2km SE of Yurivka (government-controlled, 35km N of Donetsk)	3-4km SSW	Heard	1	Explosion	Undetermined	N/K	24-Oct, 10:50
About 500m ESE of Pivdenne (formerly Leninske, government-controlled, 40km NE of Donetsk)	3-5km SSE	Heard	2	Explosion	Undetermined	N/K	24-Oct, 10:50
About 1km WSW of Kuibyshevskiyi (non-government-controlled, 5km W of Donetsk)	4-5km NW	Heard	1	Explosion	Undetermined	N/K	24-Oct, 11:43
About 2km N of Petrivske (non-government-controlled, 41km Sof Donetsk)	1-2km W	Heard	2	Shot	Assessed as outside the disengagement area near Petrivske	Small arms	24-Oct, 12:44
	2-3km W	Heard	62	Shot	Assessed as outside the disengagement area near Petrivske	Small arms	24-Oct, 14:14-14:29
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	4-6km E	Recorded	1	Illumination flare	In vertical flight (assessed as outside the disengagement area)	N/K	23-Oct, 20:04
	2-4km E	Recorded	1	Explosion	Undetermined (assessed as outside disengagement area)	N/K	24-Oct, 01:28
	2-3km ESE	Recorded	1	Projectile	NNW to SSE (unable to be assess if inside or outside the disengagement area)	N/K	23-Oct, 21:26
Krasny Lyman (non-government controlled 30km NW of Luhansk)	1.75-2km NNE	Heard	1	Shot	Undetermined	N/K	24-Oct, 10:54

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
N of Pervomaisk (non-government-controlled, 58km west of Luhansk)	8-10km W	Heard	1	Explosion	Undetermined	N/K	24-Oct, 10:53
N edge of Pervomaisk (non-government controlled, 58km W of Luhansk)	3-4km W	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	24-Oct, 14:10

Map of Donetsk and Luhansk regions⁸



⁸ 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).