



Daily Report 280/2021

29 November 2021¹

Summary

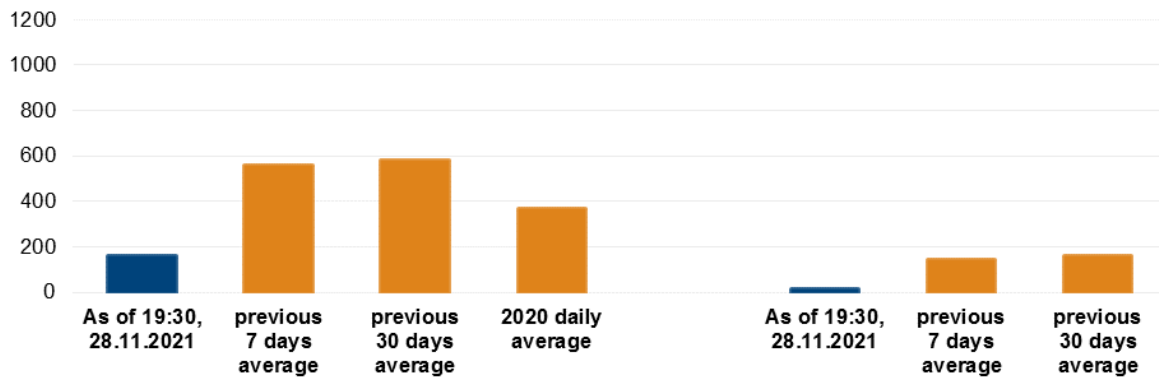
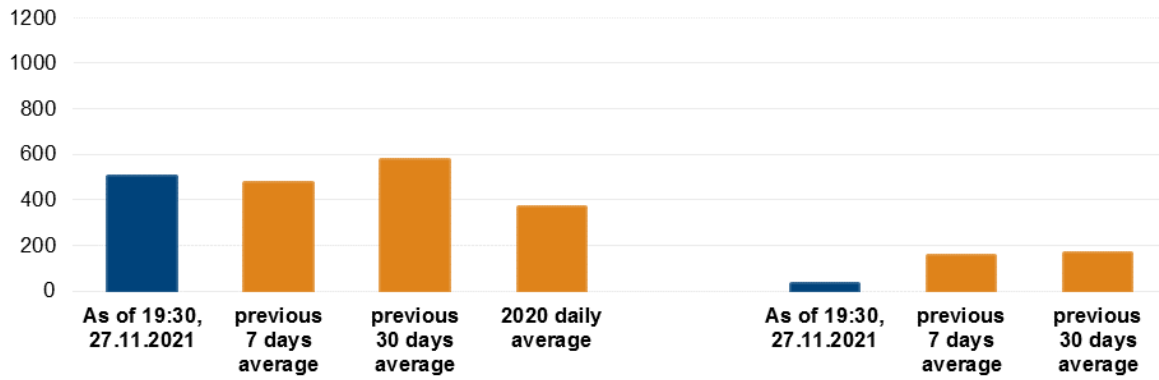
- In Donetsk region, between the evenings of 26 to 28 November, the SMM recorded 495 ceasefire violations, including 49 explosions. In the previous reporting period, it recorded 612 ceasefire violations in the region.
- In Luhansk region, between the evenings of 26 to 28 November, the Mission recorded 164 ceasefire violations and no explosions. In the previous reporting period, it recorded 193 ceasefire violations in the region.
- Ceasefire violations occurred close to an SMM patrol in non-government-controlled Raivka, Luhansk region.
- Members of the armed formations denied the Mission passage towards non-government-controlled areas near Zolote and Molodizhne, Luhansk region.
- The Mission continued monitoring the disengagement areas near Stanytsia Luhanska, Zolote and Petrivske. It recorded ceasefire violations inside the area near Petrivske.
- The SMM facilitated the operation of critical civilian infrastructure.
- The Mission continued following up on the situation of civilians, including at five entry-exit checkpoints and five checkpoints of the armed formations in Donetsk and Luhansk regions.
- The SMM observed a gathering in Lviv.
- The Mission's freedom of movement continued to be restricted, including at checkpoints of the armed formations near Horlivka and Khreshchatytske (formerly Krasnoarmiiske), Donetsk region and near a border crossing point outside government control near Leonove (formerly Chervonyi Zhovten), Luhansk region. Its unmanned aerial vehicles again experienced instances of probable jamming.*

¹ Based on information from the Monitoring Teams as of 19:30, 28 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, weather conditions limited the observational capabilities of some SMM cameras. Between the evenings of 27 and 28 November, the SMM camera near Oktiabr mine was not operational.

³ Including explosions.

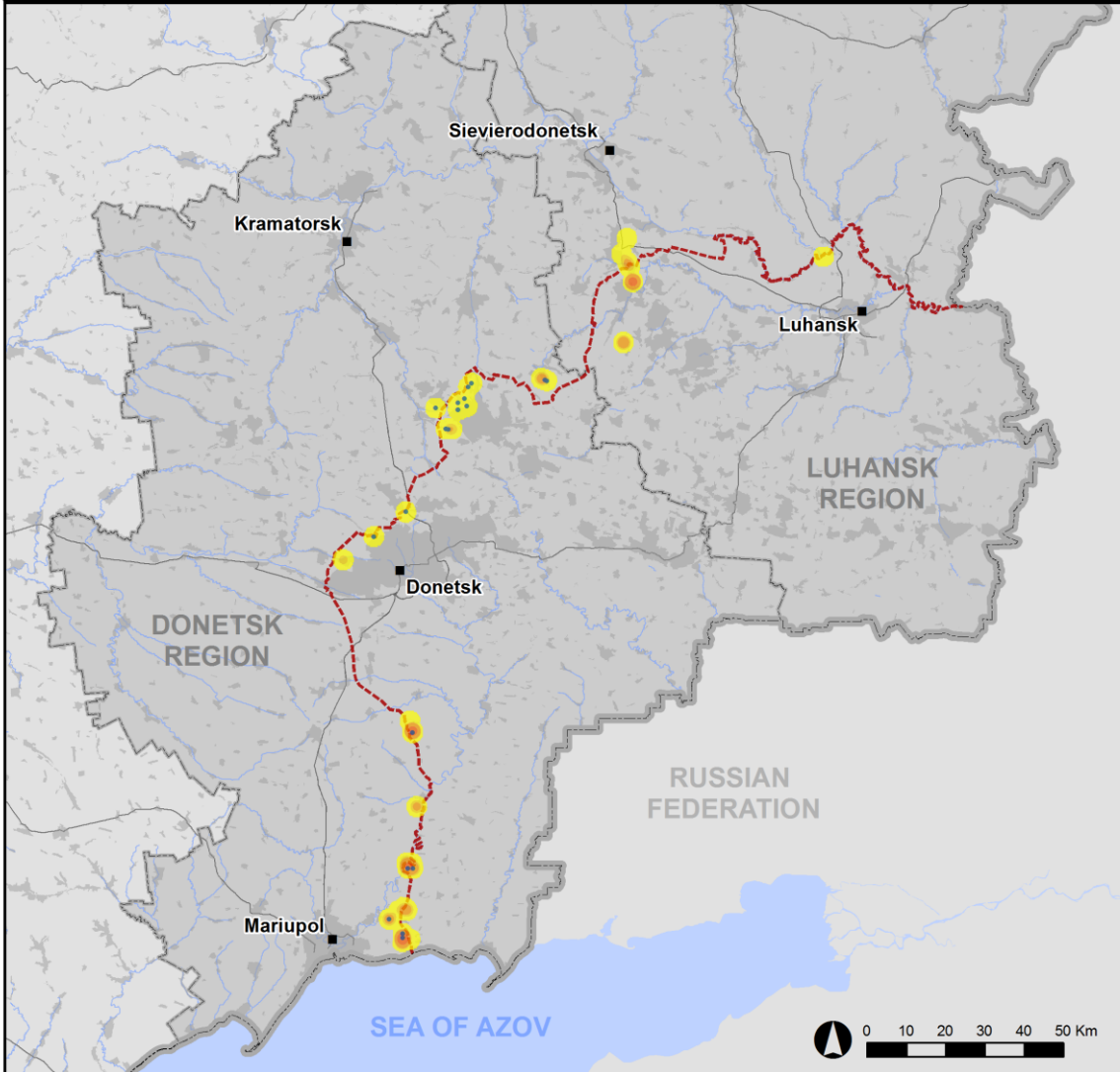
⁴ Including from unidentified weapons.

Map of recorded ceasefire violations



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

Ceasefire violations observed by the SMM 27-28 November 2021



Ceasefire violation concentration

- High
-
- Low

- Explosion
- Settlement
- Estimated line of contact

Sources: Administrative Boundaries - OCHA; Roads, Rivers - OpenStreetMap; Sea - VLIZ (2005). IHO Sea Areas; Other - OSCE.

Coordinate System: WGS 1984 UTM Zone 37N

This map is provided for illustrative purposes only. Its content is not warranted to be error-free and does not imply endorsement or acceptance by the OSCE SMM.

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Created: 29/11/2021

In Donetsk region, between the evenings of 26 to 28 November, the SMM recorded 495 ceasefire violations, including 49 explosions (one airburst, one outgoing, three impacts and 44 undetermined). The majority of ceasefire violations occurred in areas north of Shyrokyne (government-controlled, 100km south of Donetsk), south-east of Chermalyk (government-controlled, 77km south of Donetsk), and inside and south of the disengagement area near Petrivske (non-government-controlled, 41km south of Donetsk). (See below.) The Mission [again](#) registered ceasefire violations in an area east of Hranitne (government-controlled, 60km south of Donetsk) assessed as a live-fire training exercise in violation of the decision of the Trilateral Contact Group (TCG) of 3 March 2016 that prohibits the conduct of live-fire training in the security zone. In the [previous reporting period](#), the Mission recorded 612 ceasefire violations in the region.

In Luhansk region, between the evenings of 26 to 28 November, the SMM recorded 164 ceasefire violations (no explosions). Almost all ceasefire violations occurred north and east of the disengagement area near Zolote (government-controlled, 60km west of Luhansk). (See below.) In the [previous reporting period](#), the Mission recorded 193 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 TCG 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 86,801 ceasefire violations in both Donetsk and Luhansk regions (including 23,803 explosions, 20,802 projectiles in flight, 395 muzzle flashes, 367 illumination flares and at least 41,434 bursts and shots).

Ceasefire violations close to SMM patrol in non-government-controlled Raivka, Luhansk region

On 27 November, at 10:33, while positioned in Raivka (non-government-controlled, 16km north-west of Luhansk), the Mission heard six single shots of small-arms fire at an assessed range of about 100m north-east of its position. The SMM immediately left the area.*

Members of the armed formations in Luhansk region denied the SMM passage towards non-government-controlled areas near Zolote and Molodizhne, Luhansk region

On the morning of 27 November, members of the armed formations in Luhansk region denied two SMM patrols passage to non-government-controlled areas.

The first denial occurred at 09:10, at about 350m north of the southern edge of the disengagement area near Zolote and the second at 11:10, at a checkpoint of the armed formations on road T-0504, about 1.5km south-west of Molodizhne (non-government-controlled, 63km north-west of Luhansk). On both occasions, members of the armed formations cited “orders from their superiors”. In the first instance, they also referred to a “lack of security guarantees”.

Additionally, earlier in the morning, at 08:40, a member of the armed formations denied another SMM patrol passage inside the Zolote disengagement area at their checkpoint near the area’s southern edge, citing “orders from his superiors”.* (See [SMM Spot Report 31/2021](#).)

Disengagement areas near Stanytsia Luhanska, Zolote and Petrivske⁵

On 27 and 28 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).

During the reporting period, SMM patrols heard 124 bursts and shots of small-arms and heavy-machine-gun fire assessed as outside the **disengagement area near Zolote** but within 5km of its periphery.

On 27 November, while positioned inside the area, about 1km south of its northern edge, the Mission again saw a metal box on the western edge of road T-1316 about 130m south-south-east of the railway bridge, and again saw a camera, wrapped in camouflage fabric, attached to a tree about 20m west of the same road. While on the railway bridge, the SMM again saw two cables laid across the railway tracks, assessed as communication lines, and assessed as belonging to the Ukrainian Armed Forces.

On the same day, about 600m north of the area’s southern edge, the Mission again observed one wooden box on the western edge of road T-1316 and many small metal spikes strewn on both sides of road. About 570m north of the area’s southern edge, the SMM again saw one anti-personnel mine (MON-50, without fuse) on the western edge of road T-1316, assessed as belonging to the armed formations. About 450m north of the area’s southern edge, the SMM also again observed a wooden crate and two metal boxes placed across the same road. All these boxes were assessed as ammunition boxes. (For previous observations in the area, see SMM Daily Reports of [24 November 2021](#) and [26 November 2021](#).)

On 27 and 28 November, near the checkpoint of the armed formations south of the disengagement 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 saw that the previously reported road barriers across road T-1316, on the area’s southern edge, continued to be closed.

On the night of 26 to 27 November, the SMM camera in Petrivske recorded three projectiles in flight, assessed as inside the **disengagement area near Petrivske**. During the day of 27 November, while positioned on the western edge of Petrivske, the Mission heard 14 undetermined explosions and 85 bursts and shots of small-arms fire assessed as outside the area but within 5km of its periphery.

Weapons storage sites

At one permanent storage site in a non-government-controlled area of Donetsk region

26 November

The SMM noted that eight tanks (three T-64 and five T-72) were missing, compared with previous visits on 26 June 2021.

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

Withdrawal of weapons

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

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

The SMM observed one armoured personnel carrier in a government-controlled area of Donetsk region. (For further information, see the table below.)

Presence of mines near government-controlled Hnutove, Donetsk region

On 26 November, an SMM mid-range unmanned aerial vehicle (UAV) spotted four previously reported anti-tank mines about 4km south-west of Hnutove (government-controlled, 90km south of Donetsk), assessed as belonging to the Ukrainian Armed Forces (for previous observations in the area, see [SMM Daily Report of 22 January 2020](#)).

SMM facilitation of the operation of critical civilian infrastructure

On 27 and 28 November, the SMM continued to facilitate the operation of the Donetsk Filtration Station (15km north of Donetsk) (DFS). On 27 November, while positioned near Avdiivka (government-controlled, 17km north of Donetsk), the Mission heard one outgoing explosion, assessed as within a 5km radius of the DFS.

On both days, the SMM 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 28 November, in Donetsk region, the Mission observed that the entry-exit checkpoint (EECP) near Marinka (government-controlled, 23km south-west of Donetsk) was open and that its corresponding checkpoint of the armed formations near Kremynets (non-government-controlled, 16km south-west of Donetsk) was closed. On the same day, the SMM observed that the EECP near Maiorsk (government-controlled, 45km north-east of Donetsk) was open but did not see any traffic passing through. On the same day, it also observed that the corresponding checkpoint of the armed formations near Olenivka (non-government-controlled, 23km south-west of Donetsk) was closed.

On 27 and 28 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.

Border areas outside government control⁶

On 27 November, two visibly armed members of the armed formations denied the SMM passage towards the border crossing point near Leonove (formerly Chervonyi Zhovten, non-government-controlled, 82km south of Luhansk).*

On 26 November, the SMM monitored areas close to the border with the Russian Federation near Konkove (79km south of Donetsk), Ivanivka (78km south of Donetsk), Zori (76km south-east of Donetsk), Novooleksandrivka (75km south-east of Donetsk) and Zelenyi Hai (73km south-east of Donetsk).

The SMM observed a gathering in Lviv

On 27 November, at the Taras Shevchenko Monument on Svobody Avenue in Lviv, the SMM observed a gathering of about 300 people (mixed genders and ages) commemorating victims of the Holodomor. The Mission observed five law enforcement officers nearby and a calm situation.

The SMM continued monitoring in Kherson, Odessa, 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 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:

- On 27 November, at a checkpoint near Khreshchatytske (formerly Krasnoarmiiske, non-government-controlled, 86km south of Donetsk), a visibly armed member of the armed formations denied the Mission passage west towards Kulykove (non-government-controlled, 87km south of Donetsk), citing “ongoing demining and engineering activities” in the area.
- On the same day, at a checkpoint on the north-western outskirts of Horlivka (non-government-controlled, 39km north-east of Donetsk), two visibly armed members of the armed formations denied the SMM passage north-west, citing a “lack of permission” from their superiors.

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.

- On the same day, at a checkpoint about 100m north-east of the above-mentioned one, a visibly armed member of the armed formations denied the Mission passage towards non-government-controlled areas, citing a “lack of permission” from his superiors.
- On the same day, at a checkpoint near Diakove (non-government-controlled, 70km south-west of Luhansk), two visibly armed members of the armed formations denied the SMM passage south towards the border crossing point near Leonove (formerly Chervonyi Zhovten, non-government-controlled, 82km south of Luhansk). (See above.)
- On 28 November, at the above-mentioned checkpoint on the north-western outskirts of Horlivka, two visibly armed members of the armed formations again denied the Mission passage towards non-government-controlled areas, citing a “lack of permission” from their 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.

Delay:

- On 27 November, at the most forward checkpoint of the armed formations north-west of Horlivka, a visibly armed member of the armed formations allowed the SMM passage towards non-government-controlled areas only after 86 minutes of waiting (the same patrol experienced a denial of access at a further checkpoint, see the section on denials, point 2).

Other impediments:⁷

- On 27 November, while positioned in Raivka (non-government-controlled, 16km north-west of Luhansk), the Mission heard six single shots of small-arms fire near its position. (See above.)
- On 28 November, SMM mini-UAVs experienced GPS signal interference, assessed as caused by probable jamming, during six flights: on two occasions while flying over areas near non-government-controlled Stepove (27km west of Luhansk) and once each while flying over areas near non-government-controlled Stepove, Zymohiria (27km west of Luhansk), Ivanivske (formerly Lotykove, 30km west of Luhansk) and Mykhailivka (31km west of Luhansk).

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 military and military-type presence in the security zone⁸

Date	No.	Type	Location	Source of observation
Government-controlled areas				
28/11/2021	1	Armoured personnel carrier (BTR-70)	Near Novobakhmutivka (28km north of Donetsk)	Patrol

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 28 November 2021⁹

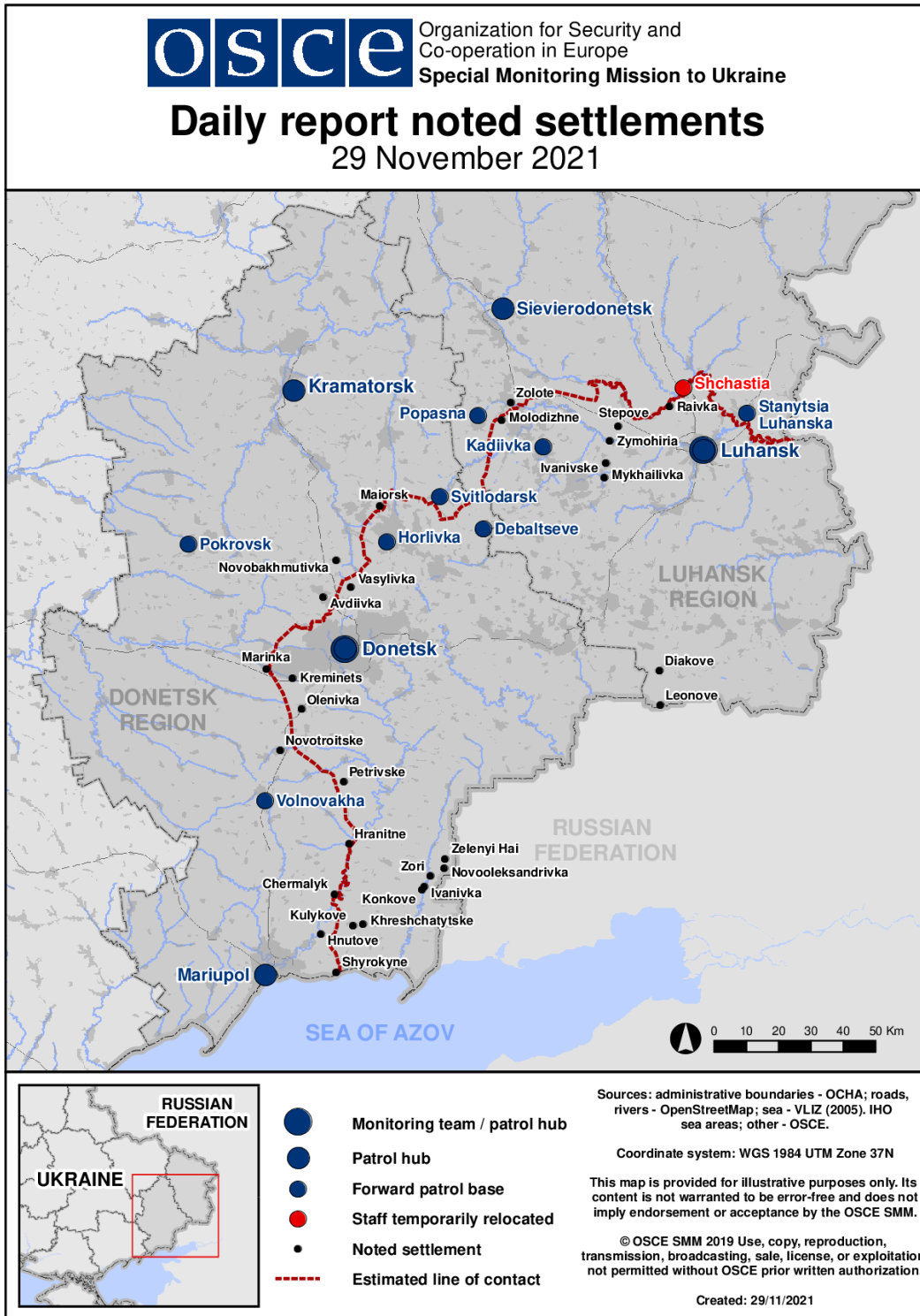
SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	2-4km SE	Recorded	4	Projectile	NE to SW	N/K	26-Nov, 17:08
	2-4km SE	Recorded	1	Projectile	SW to NE	N/K	26-Nov, 17:19
	2-4km SE	Recorded	1	Projectile	WSW to ENE	N/K	26-Nov, 17:19
	2-4km SE	Recorded	1	Projectile	SW to NE	N/K	26-Nov, 17:19
	2-4km SE	Recorded	1	Explosion	Airburst (subsequent to previous event)	N/K	26-Nov, 17:19
	2-4km SE	Recorded	6	Projectile	NNE to SSW	N/K	26-Nov, 18:32
	2-4km SE	Recorded	11	Projectile	NNE to SSW	N/K	26-Nov, 18:38
	2-4km SE	Recorded	2	Projectile	NNE to SSW	N/K	26-Nov, 18:42
	2-4km SE	Recorded	1	Projectile	N to S	N/K	26-Nov, 18:55
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	1-3km W	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 23:40
SMM camera in Petrivske (non-government-controlled, 41km S of Donetsk)	0.5-1km W	Recorded	3	Projectile	SSW to NNE (assessed as inside the disengagement area)	N/K	27-Nov, 00:16
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	4-6km N	Recorded	1	Explosion	Undetermined (also recorded by SMM camera in Hnutove)	N/K	26-Nov, 17:43
	4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	26-Nov, 19:45
	4-6km NNE	Recorded	1	Muzzle flash		N/K	26-Nov, 20:21
	4-6km NNE	Recorded	1	Projectile	In vertical flight (subsequent to previous event)	N/K	26-Nov, 20:21
	4-6km N	Recorded	2	Projectile	W to E	N/K	26-Nov, 21:03
	3-5km N	Recorded	14	Projectile	WSW to ENE	N/K	26-Nov, 21:48
	3-5km N	Recorded	14	Projectile	WSW to ENE	N/K	26-Nov, 21:52
	4-6km N	Recorded	3	Projectile	WSW to ENE	N/K	26-Nov, 22:04
	4-6km N	Recorded	6	Projectile	W to E	N/K	26-Nov, 22:05
	4-6km N	Recorded	10	Projectile	W to E	N/K	26-Nov, 22:06
	4-6km N	Recorded	8	Projectile	W to E	N/K	26-Nov, 22:07
	4-6km N	Recorded	7	Projectile	W to E	N/K	26-Nov, 22:08
	4-6km N	Recorded	10	Projectile	W to E	N/K	26-Nov, 22:09
	4-6km N	Recorded	7	Projectile	SE to NW	N/K	26-Nov, 22:09
	4-6km N	Recorded	10	Projectile	W to E	N/K	26-Nov, 22:10
	4-6km N	Recorded	7	Projectile	W to E	N/K	26-Nov, 22:11
	5-7km N	Recorded	5	Explosion	Undetermined	N/K	26-Nov, 22:21
	3-5km N	Recorded	13	Projectile	WSW to ENE	N/K	26-Nov, 23:11
	3-5km N	Recorded	6	Projectile	In vertical flight	N/K	26-Nov, 23:14
		3-5km N	Recorded	1	Projectile	SE to NW	N/K
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-3km ESE	Heard	3	Burst		HMG	26-Nov, 19:03
	2-3km ESE	Heard	3	Burst		HMG	26-Nov, 22:34
	2-3km ESE	Heard	15	Burst		HMG	26-Nov, 22:47-22:51
	3-5km ESE	Heard	2	Explosion	Undetermined	N/K	26-Nov, 22:51
	3-4km ESE	Heard	2	Explosion	Undetermined	N/K	27-Nov, 06:38
	3-4km ESE	Heard	1	Explosion	Undetermined	N/K	27-Nov, 06:59
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	2-3km SE	Heard	1	Explosion	Outgoing	N/K	27-Nov, 12:40
About 1km SE of Maiorsk (government-controlled, 45km NE of Donetsk)	1-2km ENE	Heard	1	Explosion	Undetermined	N/K	27-Nov, 10:40
About 8km NW of Horlivka (non-government-controlled, 39km NE of Donetsk)	1-2km SSW	Heard	1	Explosion	Undetermined	N/K	27-Nov, 11:05
	4-5km SW	Heard	2	Explosion	Undetermined	N/K	27-Nov, 11:52-11:54

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.

About 6.5km NW of Horlivka (non-government-controlled, 39km NE of Donetsk)	4-5km SW	Heard	2	Explosion	Undetermined	N/K	27-Nov, 12:09
Petrivske (non-government-controlled, 41km S of Donetsk)	3km S	Heard	14	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	27-Nov, 12:45-12:50
	2-3km S	Heard	80	Shot	Assessed as outside the disengagement area	Small arms	27-Nov, 12:45-12:50
	2-3km S	Heard	5	Burst	Assessed as outside the disengagement area	Small arms	27-Nov, 12:45-12:50
About 1km E of Hranitne (government-controlled, 60km S of Donetsk)	3-4km SW	Heard	19	Shot		HMG	27-Nov, 11:47-12:00
Chermalyk (government-controlled, 77km S of Donetsk)	1km SSE	Heard	16	Shot		HMG	27-Nov, 10:09-10:15
About 2km NE of Chernenko (government-controlled, 86km S of Donetsk)	3-5km SSE	Heard	7	Burst		HMG	27-Nov, 12:07-12:11
	3-5km SE	Heard	5	Burst		HMG	27-Nov, 12:13-12:15
About 3km N Pervomaisk (non-government-controlled, 58km W of Luhansk)	3-5km NNE	Heard	3	Shot	Assessed as outside the disengagement area near Zolote	Small arms	27-Nov, 08:30-08:32
	3-5km NNE	Heard	12	Burst	Assessed as outside the disengagement area near Zolote	HMG	27-Nov, 08:30-08:32
About 2km W of Hirske (government-controlled, 63km W of Luhansk)	1-2km ESE	Heard	4	Burst		HMG	27-Nov, 08:03-08:33
SW edge of Zolote-5/Mykhailivka (non-government-controlled, 60km W of Luhansk)	2-3km SSE	Heard	37	Shot	Assessed as outside the disengagement area	Small arms	27-Nov, 09:50-09:55
	2-3km SSE	Heard	58	Shot	Assessed as outside the disengagement area	Small arms	27-Nov, 10:00-10:05
Zolote-4/Rodina (government-controlled, 62km W of Luhansk)	1-2km ESE	Heard	8	Burst	Assessed as outside the disengagement area	HMG	27-Nov, 10:07-10:08
NW edge of Almazna (non-government-controlled, 55km W of Luhansk)	3-5km SSW	Heard	7	Burst		Small arms	27-Nov, 10:10-10:26
	3-5km SSW	Heard	23	Shot		Small arms	27-Nov, 10:10-10:26
NE edge of Raiivka (non-government-controlled, 16km NW of Luhansk)	100m NE	Heard	6	Shots		Small arms	27-Nov, 10:30-10:33
S edge of Hirske (government-controlled, 63km W of Luhansk)	2-3km SE	Heard	6	Burst	Assessed as outside the disengagement area near Zolote	HMG	27-Nov, 13:39-13:40
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	1-3km ESE	Recorded	4	Projectile	NNE to SSW	N/K	27-Nov, 18:40
	1-3km SSE	Recorded	5	Projectile	WSW to ENE	N/K	27-Nov, 18:40
	1-3km ESE	Recorded	6	Projectile	NNE to SSW	N/K	27-Nov, 18:41
	1-3km SSE	Recorded	20	Projectile	WSW to ENE	N/K	27-Nov, 18:41
	1-3km SSE	Recorded	3	Projectile	WSW to ENE	N/K	27-Nov, 18:41
	1.5-3km SSE	Recorded	3	Explosion	Impact (subsequent to previous event)	N/K	27-Nov, 18:41
	1-3km SSE	Recorded	20	Projectile	WSW to ENE	N/K	27-Nov, 18:42
	1-3km ESE	Recorded	4	Projectile	NNE to SSW	N/K	27-Nov, 18:46
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	4-6km N	Recorded	2	Projectile	W to E	N/K	27-Nov, 16:24
	4-6km N	Recorded	1	Projectile	SSE to NNW	N/K	27-Nov, 16:24
	4-6km N	Recorded	2	Projectile	W to E	N/K	27-Nov, 16:43
	4-6km N	Recorded	2	Projectile	E to W	N/K	27-Nov, 16:53
	4-6km N	Recorded	1	Projectile	SSE to NNW	N/K	27-Nov, 16:53
	4-6km N	Recorded	5	Projectile	W to E	N/K	27-Nov, 17:34
	4-6km N	Recorded	1	Illumination flare	In vertical flight	N/K	27-Nov, 18:57
	4-6km N	Recorded	1	Illumination flare	In vertical flight	N/K	27-Nov, 21:01
	4-6km N	Recorded	2	Projectile	In vertical flight	N/K	27-Nov, 21:01
	4-6km N	Recorded	1	Illumination flare	In vertical flight	N/K	27-Nov, 23:31
Horlivka (non-government-controlled, 39km NE of Donetsk)	4km W	Heard	12	Burst		HMG	28-Nov, 06:45-06:48
	5-6km W	Heard	1	Explosion	Undetermined	N/K	28-Nov, 16:39
	5-6km W	Heard	1	Burst		HMG	28-Nov, 16:41
	5-6km W	Heard	1	Explosion	Undetermined	N/K	28-Nov, 16:46
	5-6km W	Heard	1	Explosion	Undetermined	N/K	28-Nov, 16:47
	5-6km W	Heard	1	Explosion	Undetermined	N/K	28-Nov, 18:16

About 2km NE of Chernenko (government-controlled, 86km S of Donetsk)	4-6km SE	Heard	20	Burst		Small arms	28-Nov, 12:32-12:39
NE edge of Talakivka (government-controlled, 90km S of Donetsk)	2-2.5km SE	Heard	13	Shot		Small arms	28-Nov, 11:44-11:51
	2-2.5km SE	Heard	8	Burst		HMG	28-Nov, 11:44-11:51
	2-2.5km SE	Heard	1	Explosion	Undetermined	N/K	28-Nov, 11:44-11:51
About 2km WSW of Zalizne (formerly Artemove, government-controlled, 42km NE of Donetsk)	2km SE	Heard	2	Explosion	Undetermined	N/K	28-Nov, 11:33
About 8km NNW of Horlivka (non-government-controlled, 39km NE of Donetsk)	1-2km SSW	Heard	2	Burst		HMG	28-Nov, 10:57
About 7km NNW of Horlivka (non-government-controlled, 39km NE of Donetsk)	2-3km SSW	Heard	1	Explosion	Undetermined	N/K	28-Nov, 11:57
About 4.5km NNW of Horlivka (non-government-controlled, 39km NE of Donetsk)	5-6km NNW	Heard	1	Explosion	Undetermined	N/K	28-Nov, 09:58
	5-6km W	Heard	3	Explosion	Undetermined	N/K	28-Nov, 11:32
Staromykhailivka (non-government-controlled, 15km W of Donetsk)	1-2km W	Heard	4	Burst		HMG	28-Nov, 11:35
	1-2km W	Heard	6	Shot		Small arms	28-Nov, 11:35

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).