

Daily Report 118/2021

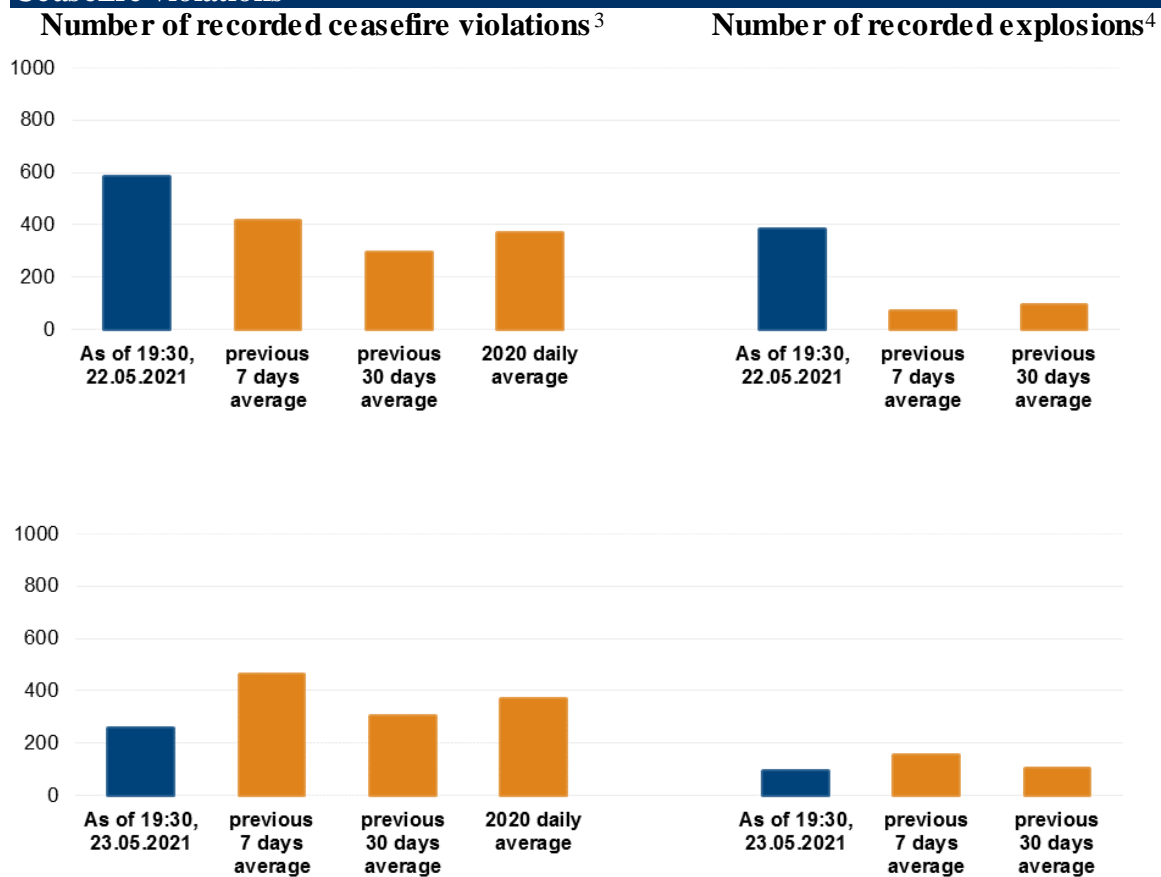
24 May 2021¹

Summary

- In Donetsk region, between the evenings of 21 and 23 May, the SMM recorded 601 ceasefire violations, including 323 explosions. In the previous reporting period, it recorded 197 ceasefire violations in the region.
- In Luhansk region, between the evenings of 21 and 23 May, the Mission recorded 235 ceasefire violations, including 154 explosions. In the previous reporting period, it recorded 337 ceasefire violations in the region.
- The SMM lost spatial control of its mini-unmanned aerial vehicles (UAV) near non-government-controlled Vesela Hora, Luhansk region and Nova Marivka, Donetsk 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 maintenance and operation of critical civilian infrastructure.
- The Mission continued following up on the situation of civilians, including at three entry-exit checkpoints and four corresponding checkpoints of the armed formations in Donetsk and Luhansk regions.
- The SMM's freedom of movement continued to be restricted, including at a checkpoint of the armed formations near Kreminets, Donetsk region. Its UAVs experienced multiple instances of GPS signal interference.*

¹ Based on information from the Monitoring Teams as of 19:30, 23 May 2021. All times are in Eastern European Summer Time.

Ceasefire violations²



² For a complete breakdown of ceasefire violations, please see the annexed table. During the reporting period, the SMM camera in Petrivske was not operational.

³ Including explosions.

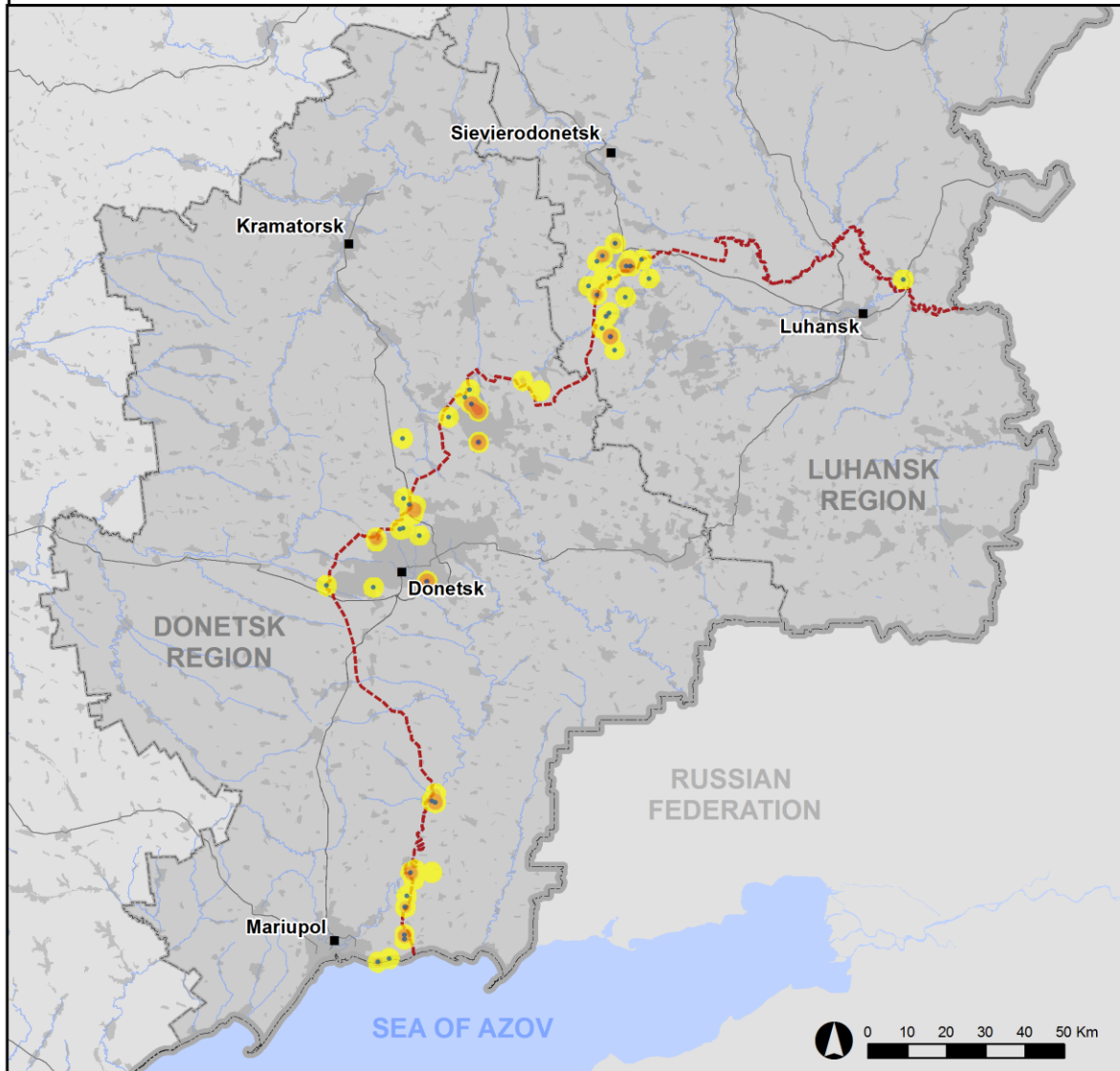
⁴ Including from unidentified weapons.

Map of recorded ceasefire violations

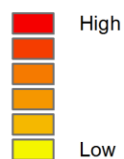


Organization for Security and
Co-operation in Europe
Special Monitoring Mission to Ukraine

Ceasefire violations observed by the SMM 22-23 May 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: 24/05/2021

In Donetsk region, between the evenings of 21 and 23 May, the SMM recorded 601 ceasefire violations, including 323 explosions (three impacts, 29 airbursts, 76 outgoing and 215 undetermined). The majority of ceasefire violations occurred at south-westerly and north-westerly direction of Horlivka (non-government-controlled, 39km north-east of Donetsk), at south-easterly direction of non-government-controlled Donetsk city and at north-easterly and south-easterly directions of Hranitne (government-controlled, 60km south of Donetsk). In the [previous reporting period](#), the Mission recorded 197 ceasefire violations.

In Luhansk region, between the evenings of 21 and 23 May, the SMM recorded 235 ceasefire violations, including 154 explosions (two impacts and 152 undetermined). The majority of ceasefire violations occurred at westerly direction of Kadiivka (formerly Stakhanov, non-government-controlled, 50km west of Luhansk) and in areas close to the disengagement area near Zolote (government-controlled, 60km west of Luhansk) (see below). In the [previous reporting period](#), the Mission recorded 337 ceasefire violations.

Following agreement reached at the meeting of the Trilateral Contact Group on 22 July 2020 regarding additional 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 31,076 ceasefire violations in both Donetsk and Luhansk regions (including 10,065 explosions, 4,877 projectiles in flight, 227 muzzle flashes, 107 illumination flares and at least 15,800 bursts and shots).

SMM lost spatial control of its mini-unmanned aerial vehicle near Vesela Hora, Luhansk region and Nova Marivka, Donetsk region

On 21 May, an SMM patrol was positioned about 3km east of Vesela Hora (non-government-controlled, 16km north of Luhansk), to conduct an announced mini-unmanned aerial vehicle (UAV) flight. From 10:10 to 10:17, while the SMM was flying over an area about 150m west of the patrol's position, the UAV experienced signal interference, after which the SMM lost spatial control over it. The Mission retrieved the UAV and left the area. The area is located near the checkpoint of the armed formations 3km south-east of the bridge in Shchastia (government-controlled, 20km north of Luhansk). The same UAV had also experienced signal interference during a previous flight in the area.*

On 23 May, an SMM patrol was positioned about 1.5km south of Nova Marivka (non-government-controlled, 64km south of Donetsk) to conduct an announced mini-UAV flight. From 14:48 until 14:50, while the UAV was flying over an area about 2km north-north-west of the patrol's position, it experienced signal interference, after which the SMM lost spatial control over it. The Mission was unable to retrieve the UAV and left the area. The same UAV had also experienced signal interference during three previous flights in the area.*

Disengagement areas near Stanytsia Luhanska, Zolote and Petrivske⁵

On 22 and 23 May, while positioned inside the **disengagement area near Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk), the SMM 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).

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 the night of 22-23 May, while on the eastern edge of Stanytsia Luhanska, the Mission heard four undetermined explosions, at an assessed range of 0.7-2km south-west, assessed as outside the disengagement area but within 5km of its periphery.

The following ceasefire violations were assessed as outside the **disengagement area near Zolote** but within 5km of its periphery:

On the evening of 21 May, the SMM camera in Zolote recorded one muzzle flash, at an assessed range of 2-4km east. On the evening of 22 May, the same camera recorded three undetermined explosions and 60 projectiles in flight, at an assessed range of 2-5km east-north-east and east, all assessed as outside the disengagement area but within 5km of its periphery.

On the same evening, while on the northern edge of Popasna (government-controlled, 69km west of Luhansk), the Mission heard 24 explosions (two impacts of mortar rounds, which it also saw) and 22 undetermined explosions at an assessed range of 5-15km, north-east, east and east-south-east. On the evening of 22 May, while at the same location, the SMM heard 20 undetermined explosions and ten bursts of heavy-machine gun-fire, at an assessed range of 7-9km north-east.

During the day on 22 May, while positioned about 3km north of Pervomaisk (non-government-controlled, 58km west of Luhansk), the SMM heard an undetermined explosion at an assessed range of 6-8km north-east.

On 22 and 23 May, while positioned 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), some of whom walked inside the area about 350m north of its southern edge and then returned. On 23 May, they were accompanied by an ambulance with two men (one in his thirties; the other in his fifties), one of them in medical protective gear.

On both days, the SMM again saw the eight previously observed containers located south of the disengagement area's southern edge, on its edge and inside the area. On 22 May, the Mission observed several concrete blocks, placed on the eastern edge of road T-1316, near the fenced perimeter south of the area's southern edge, on the southern edge of the road leading eastwards towards Zolote-5/Mykhailivka (non-government-controlled, 60km west of Luhansk).

On 22 and 23 May, while positioned at three locations close to the **disengagement area near Petrivske** (non-government-controlled, 41km south of Donetsk), the SMM observed a calm situation.

Withdrawal of weapons

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

Indications of military and military-type presence in the security zone^{6 7}

The Mission saw five armoured combat vehicles near a residential area in a government-controlled area of Luhansk region, as well as one armoured combat vehicle in a compound in a non-government-controlled area of Luhansk region. (For further information, see the table below.)

SMM facilitation of maintenance and operation of critical civilian infrastructure⁸

On both days, the SMM continued to facilitate the operation of the Donetsk Filtration Station (DFS) (15km north of Donetsk). On 22 May, while positioned at two locations near the station, the Mission heard 60 ceasefire violations (including two undetermined explosions), all assessed as within a 5km radius of the DFS. On the same day, while positioned near Novhorodske (government-controlled, 35km north of Donetsk), the SMM heard an explosion assessed as a controlled detonation of exploded ordnance (UXO).

On 23 May, the SMM also monitored the security situation near the pumping station near Vasylivka (non-government-controlled, 20km north of Donetsk).

Situation at entry-exit checkpoints and corresponding checkpoints

In Donetsk region, on 23 May, at a checkpoint of the armed formations near Horlivka (non-government-controlled, 39km north-east of Donetsk), a visibly armed member of the armed formations informed the Mission that the checkpoint was closed for all passage. While at the checkpoint, the SMM observed one vehicle passing through the checkpoint.

In Luhansk region, on 22 and 23 May, the Mission noted that the entry-exit checkpoint (EECP) near Stanytsia Luhanska and the corresponding checkpoint of the armed formations south of the Stanytsia Luhanska bridge were open, with people queueing to travel in both directions.

On both days, the SMM also 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.

On 22 May, while at the checkpoint of the armed formations south of the disengagement area near Zolote, the Mission observed four newly installed road signs (blue rectangles, with “Border and Customs Control Point (Pervomaisk – Zolote)” written on it in Cyrillic), one on the western edge of road T-1316 near the checkpoint, one on the same edge of the road about 40m south of the southern edge of the disengagement area and two on the eastern edge of the same road, about 20m and 60m south of the southern edge of the area, respectively.

⁶ The hardware mentioned in this section is not proscribed by the provisions of the Minsk agreements on the withdrawal of weapons.

⁷ In this section of the SMM Daily Report of 22 May 2021, the sentence “The Mission saw two armoured combat vehicles in non-government-controlled areas of Donetsk and Luhansk regions, including in a residential area” should have read “The Mission saw one armoured combat vehicle in a residential area of a government-controlled area of Luhansk region, as well as one armoured combat vehicle in a non-government-controlled area of Donetsk region”.

⁸ In this section of the SMM Daily Report of 22 May 2021, the word “Shchastia” should have read “Shchastia (government-controlled, 20km north of Luhansk)”.

Border areas outside government control

On 20 May, at the railway station in Voznesenivka (formerly Chervonopartyzansk, 65km south-east of Luhansk) an SMM mini-UAV spotted a stationary train consisting of two engines and 20 open-top gondola wagons, some of which were covered with tarpaulins, as well as 80 other stationary railway cars. On the same day, two members of the armed formations had asked the Mission to leave the area. (See [SMM Daily Report 22 May 2021](#).)

Security situation in south-east Kherson region⁹

From 21 to 23 May, the Mission monitored areas near Kalanchak (67km south-east of Kherson), Chaplynka (77km south-east of Kherson), Chonhar (163km south-east of Kherson), as well as along the coast of the Azov Sea near Henichesk (176km east of Kherson). It 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, 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 Coordination (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 22 May](#)). 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.

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:

⁹ In a section titled "SMM monitored a gathering in Kyiv" of the SMM Daily Report of 22 May 2021, the passage "On the same day" should have read "On 21 May".

- On 22 May, at a checkpoint of the armed formations near Kreminets (non-government-controlled, 16km south-west of Donetsk), a member of the armed formations requested the SMM's vehicles' registration documents and personal documents of the drivers of its vehicles. The patrol refused the request and remained stationary at the checkpoint. After about 100 minutes, the Mission was allowed passage westwards towards the checkpoint of the armed formations near Oleksandrivka (non-government-controlled, 20km south-west of Donetsk).

Other impediments:¹⁰

- On 21 May, an SMM mini-UAV experienced GPS signal interference while flying over areas near Vesela Hora (non-government-controlled, 16km north of Luhansk), after which the Mission lost spatial control over the aircraft. The Mission retrieved the UAV and left the area. The same UAV had also experienced signal interference during a previous flight in the area. Both cases were assessed as caused by probable jamming (see above).
- On 23 May, an SMM mini-UAV experienced GPS signal interference, while flying over areas near Nova Marivka (non-government-controlled, 64km south of Donetsk), after which the Mission lost spatial control over the aircraft. The Mission was unable to retrieve the UAV and left the area. The same UAV had also experienced signal interference during three previous flights in the area. All cases were assessed as caused by probable jamming (see above).
- On 22 May, an SMM mini-UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying over areas near Oleksandrivka (non-government-controlled, 20km south-west of Donetsk).
- On the same day, an SMM mini-UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying over areas near Almazna (non-government-controlled, 55km west of Luhansk).
- On 23 May, an SMM mini-UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying over areas near Oleksandrivske (formerly Rozy Liuksemburh, non-government-controlled, 90km south-east of Donetsk).
- On the same day, an SMM mini-UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying over areas near Roza (non-government-controlled, 89km south of Donetsk).
- On the same day, an SMM mini-UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying over areas near Svobodne (non-government-controlled, 73km south of Donetsk).
- On the same day, an SMM mini-UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying over areas near Sentianivka (formerly Frunze, non-government-controlled, 44km west of Luhansk).
- On the same day, an SMM mini-UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying over areas near Zhovte (non-government-controlled, 17km north-west of Luhansk).
- On the same day, an SMM mini-UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying over areas near Petrovenky (non-government-controlled, 40km west of Luhansk).

¹⁰ For cases of probable jamming and jamming mentioned in this section, the interferences could have originated from anywhere within the radius of kilometres from the UAVs' positions.

Tables of weapons

Table of military and military-type presence in the security zone¹¹

Date	No.	Type	Location	Source of observation
Government-controlled areas ¹²				
21/5/2021	2	Armoured personnel carrier (MT-LB)	Near a residential area of Popasna (69km west of Luhansk)	Mini-UAV
	3	Armoured combat vehicle (variant undetermined)		
Non-government-controlled areas				
23/5/2021	1	Infantry fighting vehicle (BMP-1)	In a compound in Smile (31km north-west of Luhansk)	Patrol

¹¹ The hardware mentioned in this section is not proscribed by the provisions of the Minsk agreements on the withdrawal of weapons.

¹² In the table of the SMM Daily Report of 22 May 2021, one armoured combat vehicle (BTR variant) was listed in “non-government-controlled areas”. The report should have read one armoured combat vehicle (BTR variant) in “government-controlled areas”.

Table of ceasefire violations as of 23 May 2021¹³

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	1	Projectile	NNW to SSE	N/K	22-May, 01:50
	2-4km SSE	Recorded	1	Explosion	NNW to SSE (impact, subsequent to previous event)	N/K	22-May, 01:50
	2-4km SSE	Recorded	11	Projectile	NNW to SSE	N/K	22-May, 02:46
	2-4km SSE	Recorded	2	Projectile	NNW to SSE	N/K	22-May, 02:47
	2-4km SSE	Recorded	1	Projectile	NNW to SSE	N/K	22-May, 02:48
	2-4km SSE	Recorded	2	Projectile	NNW to SSE	N/K	22-May, 02:49
	2-4km SSE	Recorded	16	Projectile	NNW to SSE	N/K	22-May, 03:10
	2-4km SSE	Recorded	1	Projectile	NNW to SSE	N/K	22-May, 03:22
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1-3km E	Recorded	1	Explosion	Undetermined	N/K	22-May, 01:33
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	4-6km N	Recorded	1	Explosion	Undetermined	N/K	21-May, 22:06
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	21-May, 22:17
	4-6km N	Recorded	1	Projectile	W to E	N/K	21-May, 22:17
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	22-May, 00:12
	4-6km N	Recorded	1	Illumination flare	In vertical flight	N/K	22-May, 00:12
	4-6km N	Recorded	2	Muzzle flash		N/K	22-May, 00:12
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-4km WSW	Recorded	4	Projectile	NNW to SSE	N/K	22-May, 02:14
	2-4km WSW	Recorded	1	Projectile	SSW to NNE	N/K	22-May, 02:46
	2-4km WSW	Recorded	3	Projectile	NNE to SSW	N/K	22-May, 02:59
Donetsk city centre (non-government-controlled)	5-8km SE	Heard	76	Explosion	Outgoing	N/K	21-May, 20:55-21:15
About 1.5km SE Kremynets (non-government-controlled, 16km SW of Donetsk)	4-6km NE	Heard	3	Explosion	Undetermined	N/K	22-May, 12:25-12:29
About 2.5km ENE of Yasynuvata (non-government-controlled, 16km NE of Donetsk)	6-8km W	Heard	2	Explosion	Undetermined (inside 5km around DFS)	N/K	22-May, 11:03-11:05
About 700m WSW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	6-8km SW	Heard	4	Explosion	Undetermined	N/K	22-May, 11:25-11:55
	6-7km S	Heard	2	Explosion	Undetermined	N/K	22-May, 11:25-11:55
	1-2km W	Heard	48	Shot	inside 5km around DFS	Small arms	22-May, 11:25-11:55
	1-2km W	Heard	8	Burst	inside 5km around DFS	Small arms	22-May, 11:25-11:55
	1-2km NW	Heard	2	Shot	inside 5km around DFS	Small arms	22-May, 11:25-11:55
Railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	6-8km SW	Heard	2	Explosion	Undetermined	N/K	22-May, 12:30-12:55
Horlivka (non-government-controlled, 39km NE of Donetsk)	5-7km NW	Heard	68	Explosion	Undetermined	N/K	21-May, 18:30-22:00
	3-4km NW	Heard	40	Shot		HMG	21-May, 18:30-22:00
	3-4km NW	Heard	55	Burst		Small arms	21-May, 18:30-22:00
	5-7km SSW	Heard	76	Explosion	Undetermined	N/K	22-May, 05:00-06:45
Mariupol (government-controlled, 102km S of Donetsk)	12-15km E	Heard	10	Explosion	Undetermined	N/K	21-May, 18:00-18:06
About 3km SW of Chermalyk (government-controlled, 77km S of Donetsk)	7-8km SSE	Heard and saw	1	Explosion	Impact	N/K	22-May, 10:48

¹³ 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.

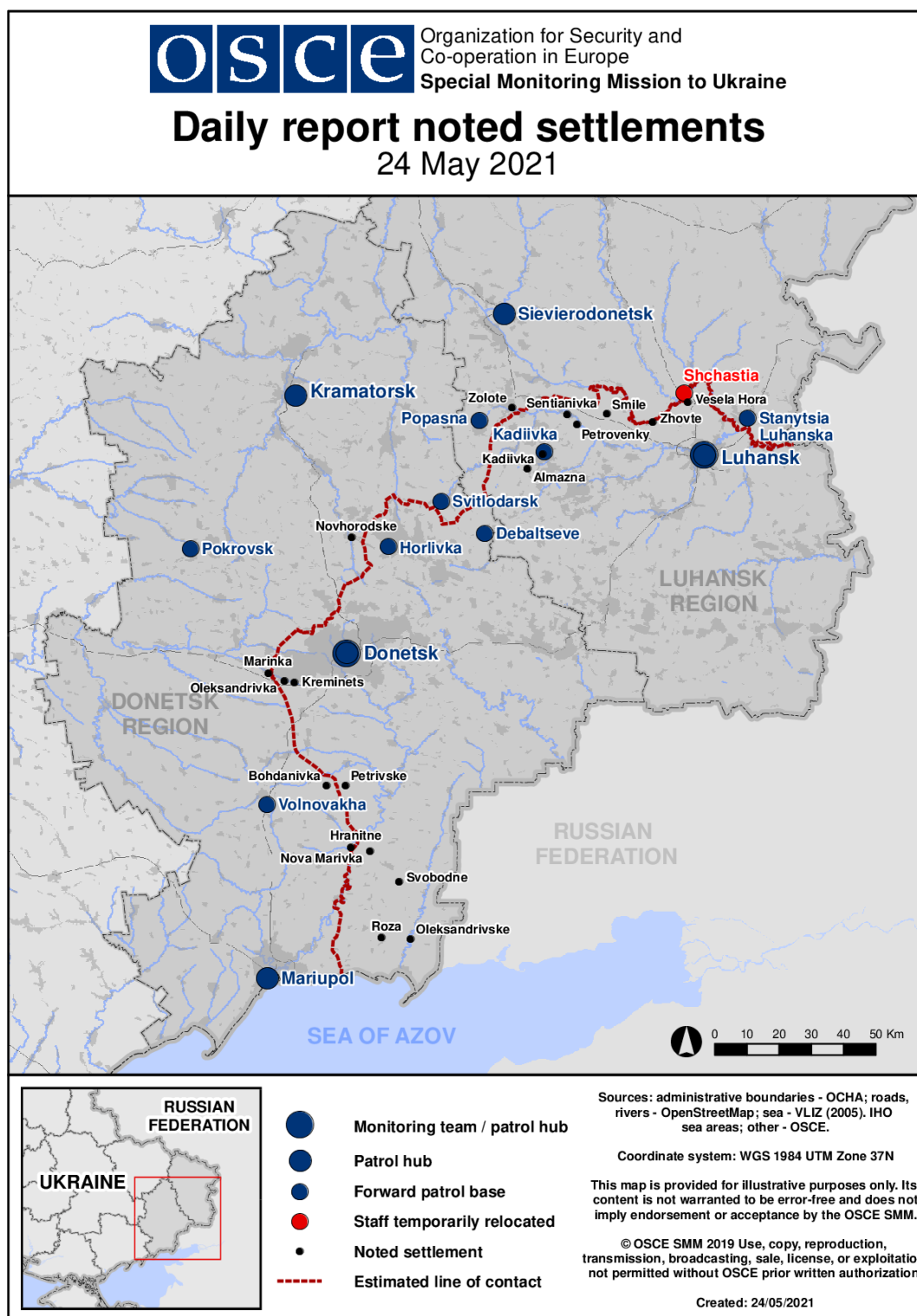
SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
Orlivske (government-controlled, 82km S of Donetsk)	6-8km SE	Heard	4	Explosion	Undetermined	N/K	22-May, 10:12-10:15
	6-8km SE	Heard	5	Explosion	Undetermined	N/K	22-May, 10:23-10:28
	6-8km SE	Heard	8	Explosion	Undetermined	N/K	22-May, 10:39-10:44
About 2km SSE of Lomakyne (government-controlled, 93km S of Donetsk)	6-8km SSE	Heard	2	Explosion	Undetermined	N/K	22-May, 11:17
About 3km WNW of Valentynivka (government-controlled, 35km N of Donetsk)	4-6km SE	Heard	1	Explosion	Undetermined	N/K	22-May, 12:41
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	2-4km SE	Recorded	3	Explosion	Undetermined	N/K	22-May, 02:26
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2-4km E	Recorded	1	Muzzle flash	Assessed as outside of disengagement area	N/K	21-May, 21:03
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	12-15km W	Heard	6	Explosion	Undetermined	N/K	21-May, 19:28-19:48
	12-15km WSW	Heard	24	Explosion	Undetermined	N/K	21-May, 19:28-19:48
	12-15km WSW	Heard	44	Explosion	Undetermined	N/K	21-May, 19:48-20:14
	12-15km W	Heard	2	Explosion	Undetermined	N/K	21-May, 20:14-20:40
	12-15km WSW	Heard	3	Explosion	Undetermined	N/K	21-May, 20:14-20:40
N edge of Popasna (government-controlled, 69km W of Luhansk)	5-10km E	Heard	4	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	21-May, 19:50
	10-15km ESE	Heard	3	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	21-May, 20:05-20:20
	10-15km NE	Heard	15	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	21-May, 20:25-21:35
	5-7km E	Heard	2	Explosion	Outgoing (assessed as outside the disengagement area near Zolote)	Mortar (120mm)	21-May, 20:43
	5-7km NE	Heard and saw	2	Explosion	Impact (subsequent to previous event, assessed as outside the disengagement area near Zolote)	Mortar (120mm)	21-May, 20:43
	15-20km E	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	21-May, 21:00
About 3km N of Pervomaisk (non-government-controlled, 58km west of Luhansk)	6-8km NE	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	22-May, 11:31

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
E edge of Kalynove-Borshchuvate (non-government-controlled, 61km W of Luhansk)	12-16km S	Heard	2	Explosion	Undetermined	N/K	22-May, 13:16-13:17
About 2km SW of Molodizhne (non-government-controlled, 63km NW of Luhansk),	8-12km S	Heard	2	Explosion	Undetermined	N/K	22-May, 13:52
About 2.5km N of Pervomaisk (non-government-controlled, 58km west of Luhansk)	8-10km SSW	Heard	2	Explosion	Undetermined	N/K	22-May, 14:32
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	22-May, 22:17
	4-6km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	22-May, 21:31
	3-5km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	22-May, 23:05
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	4-6km SSE	Recorded	5	Projectile	NE to SW	N/K	22-May, 22:00
	6-8km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	22-May, 22:25
SMM camera in Hranitne (government-controlled, 60km S of Donetsk)	2-4km ESE	Recorded	1	Projectile	SW to NE	N/K	23-May, 00:01
	2-4km ESE	Recorded	2	Explosion	Airburst	N/K	23-May, 00:01
	1-3km ESE	Recorded	1	Projectile	SW to NE	N/K	23-May, 00:01
	1-3km ESE	Recorded	2	Explosion	Airburst	N/K	23-May, 00:01
	1-3km ESE	Recorded	1	Projectile	SW to NE	N/K	23-May, 00:01
	1-3km ESE	Recorded	2	Explosion	Airburst	N/K	23-May, 00:01
	2-4km ESE	Recorded	1	Projectile	SW to NE	N/K	23-May, 00:04
	2-4km ESE	Recorded	1	Explosion	Airburst; Subsequent to previous event	N/K	23-May, 00:04
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	23-May, 00:04
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	23-May, 00:06
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	23-May, 00:07
	2-4km ESE	Recorded	1	Explosion	Airburst; Subsequent to previous event		23-May, 00:07
	2-4km ESE	Recorded	1	Projectile	S to N		23-May, 00:07
	2-4km ESE	Recorded	1	Explosion	Airburst; Subsequent to previous event	N/K	23-May, 00:07
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	23-May, 00:08
	2-4km ESE	Recorded	2	Projectile	S to N	N/K	23-May, 00:08
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	23-May, 00:09
	2-4km ESE	Recorded	1	Explosion	Airburst; Subsequent to previous event		23-May, 00:09
	2-4km ESE	Recorded	1	Projectile	S to N		23-May, 00:09
	2-4km ESE	Recorded	1	Explosion	Airburst; Subsequent to previous event	N/K	23-May, 00:09
	2-4km ESE	Recorded	2	Explosion	Undetermined	N/K	23-May, 00:09
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	23-May, 00:31
	2-4km ESE	Recorded	1	Explosion	Airburst; Subsequent to previous event	N/K	23-May, 00:31
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	23-May, 00:31
	2-4km ESE	Recorded	1	Explosion	Airburst; Subsequent to previous event	N/K	23-May, 00:31
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	23-May, 00:32
	2-4km ESE	Recorded	1	Explosion	Airburst; Subsequent to previous event	N/K	23-May, 00:32
	2-4km ESE	Recorded	4	Explosion	Undetermined	N/K	23-May, 00:33
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	23-May, 00:33
	2-4km ESE	Recorded	1	Explosion	Airburst; Subsequent to previous event	N/K	23-May, 00:33

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	23-May, 00:34
	2-4km ESE	Recorded	1	Explosion	Airburst; Subsequent to previous event	N/K	23-May, 00:34
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	23-May, 00:35
	2-4km ESE	Recorded	2	Explosion	Undetermined	N/K	23-May, 00:35
	2-4km ESE	Recorded	7	Projectile	N to S	N/K	23-May, 00:38
	2-4km ESE	Recorded	7	Projectile	N to S	N/K	23-May, 00:39
	2-4km ENE	Recorded	7	Projectile	N to S	N/K	23-May, 00:42
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	23-May, 00:43
	2-4km ENE	Recorded	3	Projectile	S to N	N/K	23-May, 00:46
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	1-3km W	Recorded	1	Projectile	S to N	N/K	23-May, 01:29
	1-3km W	Recorded	8	Muzzle flash		N/K	23-May, 01:48
	1-3km W	Recorded	1	Projectile	S to N	N/K	23-May, 02:16
	1-3km W	Recorded	4	Projectile	S to N	N/K	23-May, 02:23
	1-3km WSW	Recorded	3	Projectile	SE to NW	N/K	23-May, 02:24
	1-3km W	Recorded	16	Projectile	S to N	N/K	23-May, 02:24
SMM camera 1km SW of Shyrokyne (government- controlled, 100km S of Donetsk)	5-7km N	Recorded	13	Explosion	Airburst	N/K	23-May, 00:00
	5-7km N	Recorded	3	Projectile	WSW to ENE	N/K	23-May, 00:00
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	23-May, 00:04
	5-7km N	Recorded	2	Explosion	Undetermined	N/K	23-May, 00:05
	5-7km N	Recorded	1	Projectile	WSW to ENE	N/K	23-May, 00:05
	5-7km N	Recorded	1	Explosion	Impact; Subsequent to previous event	N/K	23-May, 00:05
	5-7km N	Recorded	2	Explosion	Undetermined	N/K	23-May, 00:06
	5-7km N	Recorded	1	Projectile	WSW to ENE	N/K	23-May, 00:06
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	23-May, 00:08
	5-7km N	Recorded	1	Projectile	WSW to ENE	N/K	23-May, 00:08
	5-7km N	Recorded	1	Projectile	WSW to ENE	N/K	23-May, 00:09
	5-7km N	Recorded	2	Explosion	Undetermined	N/K	23-May, 00:09
	5-7km N	Recorded	1	Illumination flare		N/K	23-May, 00:57
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	23-May, 02:05
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km SSE	Recorded	1	Muzzle flash		N/K	22-May, 23:44
	3-5km SSE	Recorded	1	Projectile	ESE to WNW (subsequent to previous event)	N/K	22-May, 23:44
About 6km NW of Horlivka (non-government-controlled, 39km NE of Donetsk)	4-5km WSW	Heard	1	Explosion	Undetermined	N/K	23-May, 11:06
	3-4km N	Heard	1	Explosion	Undetermined	N/K	23-May, 11:28
Trudivski area of Donetsk city's Petrovskiyi district (non-government-controlled, 15km SW of Donetsk city center)	2-3km W	Heard	1	Explosion	Undetermined	N/K	23-May, 13:56
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2-4km E	Recorded	1	Projectile	SW to NE (assessed as outside the disengagement area)	N/K	22-May, 21:13
	3-5km ENE	Recorded	1	Muzzle flash	Assessed as outside the disengagement area	N/K	22-May, 21:14
	3-5km ENE	Recorded	1	Projectile	NW to SE subsequent to previous event (assessed as outside the disengagement area)	N/K	22-May, 21:14
	2-4km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	22-May, 21:21

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	3-5km E	Recorded	1	Projectile	WNW to ESE (assessed as outside the disengagement area)	N/K	22-May, 21:22
	2-4km E	Recorded	2	Projectile	SW to NE (assessed as outside the disengagement area)	N/K	22-May, 21:23
	3-5km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	22-May, 21:26
	2-4km E	Recorded	10	Projectile	SW to NE (assessed as outside the disengagement area)	N/K	22-May, 21:27
	2-4km E	Recorded	22	Projectile	SW to NE (assessed as outside the disengagement area)	N/K	22-May, 21:28
	3-5km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	22-May, 21:28
	2-4km E	Recorded	14	Projectile	SW to NE (assessed as outside the disengagement area)	N/K	22-May, 21:29
	3-5km E	Recorded	9	Projectile	WNW to ESE (assessed as outside the disengagement area)	N/K	22-May, 21:52
N edge of Popasna (government-controlled, 69km W of Luhansk)	5-7km SE	Heard	13	Explosion	Undetermined	N/K	22-May, 21:05-21:50
	5-7km SE	Heard	3	Burst		HMG	22-May, 21:05-21:50
	5-7km SE	Heard	7	Shot		Small arms	22-May, 21:05-21:50
	7-9km NE	Heard	20	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	22-May, 21:05-21:50
	7-9km NE	Heard	10	Burst	Assessed as outside the disengagement area near Zolote	HMG	22-May, 21:05-21:50
E edge of Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)	0.7-2km SW	Heard	4	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	23-May, 00:20-00:40

Map of Donetsk and Luhansk regions¹⁴



¹⁴ 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).