



Daily Report 112/2021

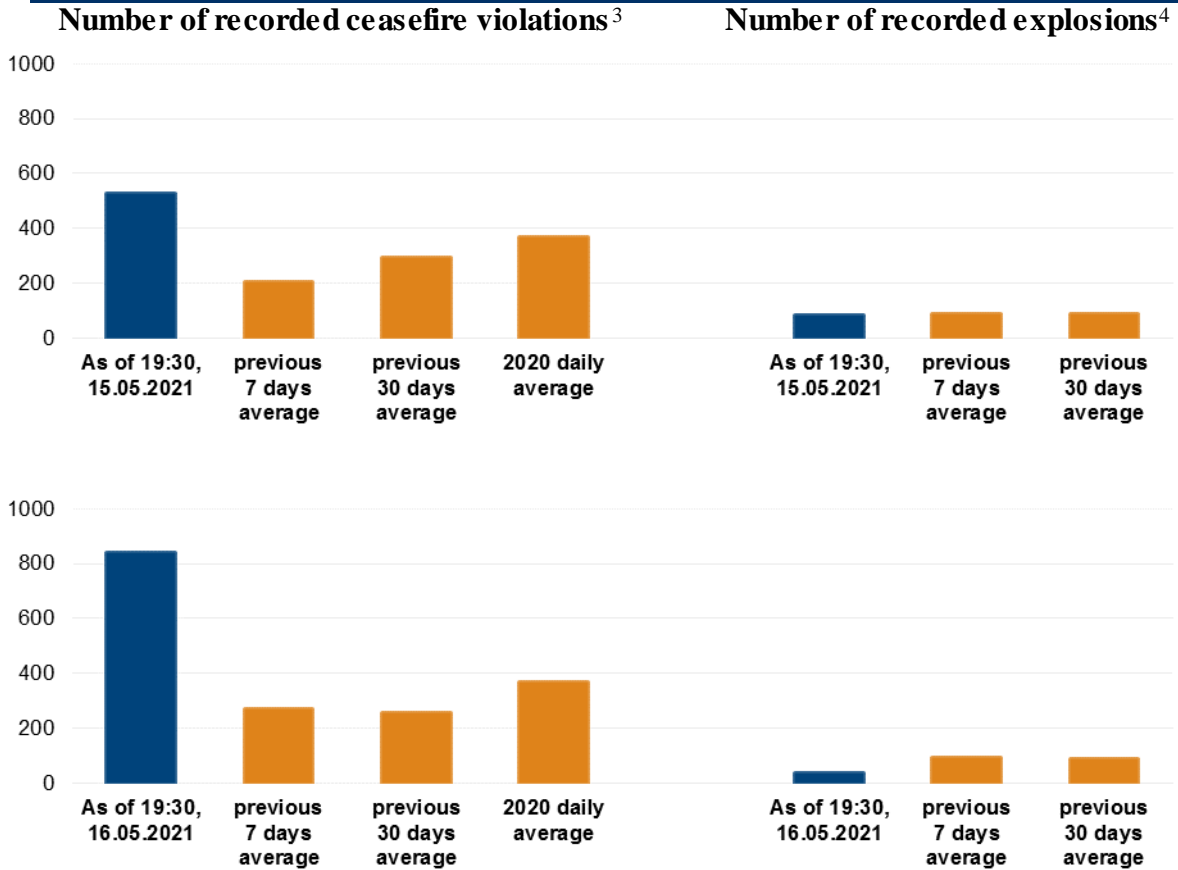
17 May 2021¹

Summary

- In Donetsk region, between the evenings of 14 and 16 May, the SMM recorded 1,173 ceasefire violations, including 53 explosions. In the previous reporting period, it recorded 197 ceasefire violations in the region.
- In Luhansk region, between the evenings of 14 and 16 May, the Mission recorded 192 ceasefire violations, including 67 explosions. In the previous reporting period, it recorded 74 ceasefire violations in the region.
- A man was injured due to undetermined explosive objects in Dovhe and a girl was injured due to gunfire in Voznesnivka (formerly Chervonopartyzansk), Luhansk region.
- The SMM continued monitoring the disengagement areas near Stanytsia Luhanska, Zolote and Petrivske. It recorded ceasefire violations inside the disengagement area near Petrivske and SMM unmanned-aerial vehicles spotted people inside the disengagement areas near Zolote and Petrivske.
- The Mission facilitated and monitored adherence to localized ceasefires to enable the operation of critical civilian infrastructure.
- The SMM continued following up on the situation of civilians, including at three entry-exit checkpoints and the corresponding checkpoints of the armed formations in Luhansk region.
- The Mission's freedom of movement continued to be restricted.*

¹ Based on information from the Monitoring Teams as of 19:30, 16 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 cameras in Petrivske and in Stanytsia Luhanska were not operational.

³ Including explosions.

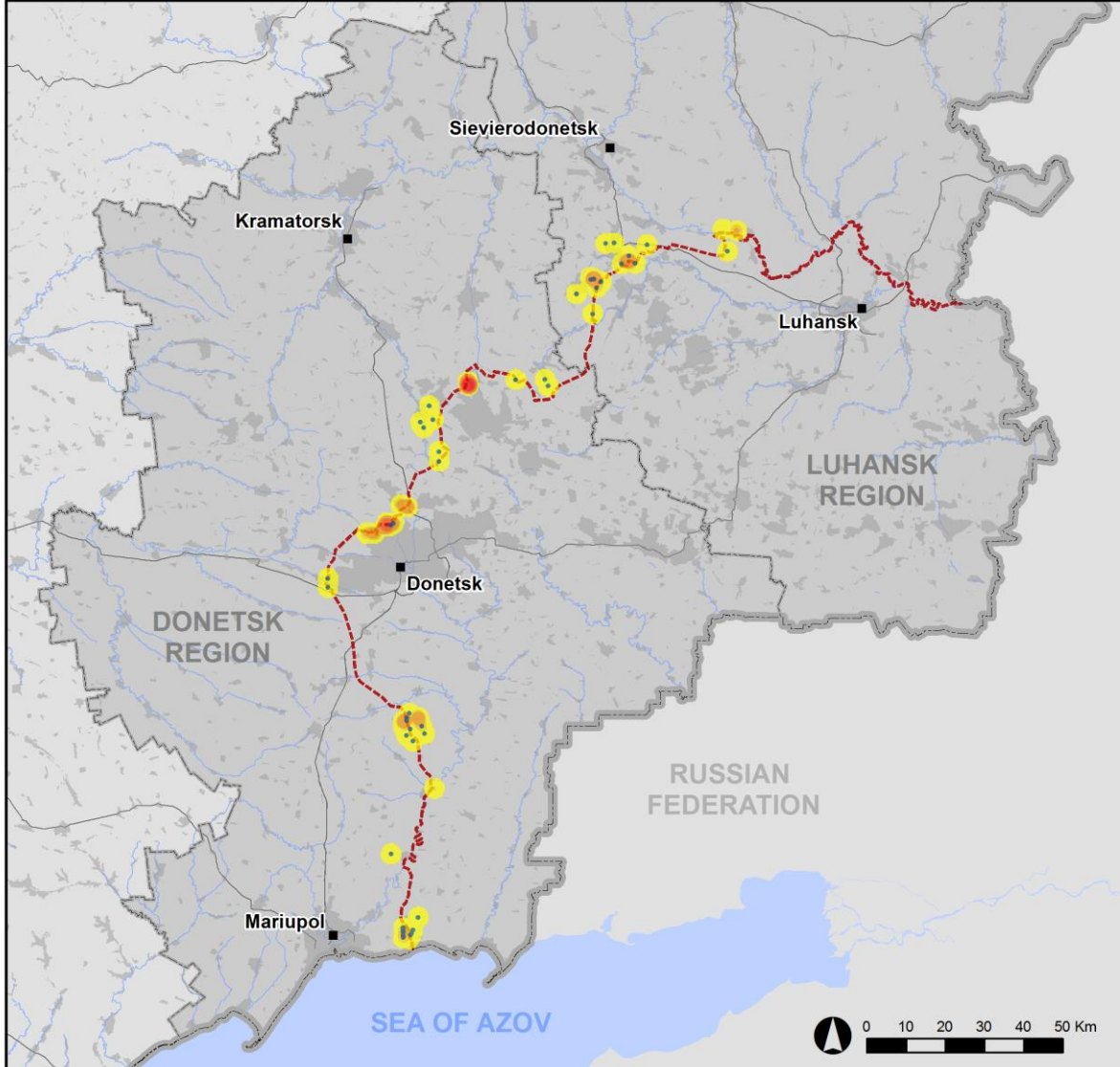
⁴ Including from unidentified weapons.

Map of recorded ceasefire violations

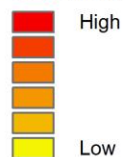


Organization for Security and
Co-operation in Europe
Special Monitoring Mission to Ukraine

Ceasefire violations observed by the SMM 15-16 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: 17/05/2021

In Donetsk region, between the evenings of 14 and 16 May, the SMM recorded 1,173 ceasefire violations, including 53 explosions (three impacts, two airbursts and 48 undetermined). The majority of ceasefire violations occurred at easterly directions of Maiorsk (government-controlled, 45km north-east of Donetsk) on the night of 14 -15 May and the evening of 15 May, at westerly and north-easterly directions of the Oktiabr mine (non-government-controlled, 9km north-west of Donetsk city centre) on the evening of 15 May, and in areas east, south and inside the disengagement area near Petrivske (non-government-controlled, 41km south of Donetsk) (see below). In the [previous reporting period](#), the Mission recorded 197 ceasefire violations, some of which occurred in areas close to the disengagement area near Petrivske.

In Luhansk region, between the evenings of 14 and 16 May, the SMM recorded 192 ceasefire violations, including 67 undetermined explosions. The majority of ceasefire violations occurred at northerly and westerly directions of the disengagement area near Zolote (government-controlled, 60km west of Luhansk) (see below). In the [previous reporting period](#), the Mission recorded 74 ceasefire violations, the majority of which also occurred in areas close to the disengagement area near Zolote.

Following agreement reached at the meeting of the Trilateral Contact Group on 22 July 2020 regarding 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 28,436 ceasefire violations in both Donetsk and Luhansk regions (including 8,938 explosions, 4,615 projectiles in flight, 209 muzzle flashes, 97 illumination flares and at least 14,577 bursts and shots).

Man injured due to detonations of undetermined explosive objects in Dovhe, and a girl injured due to gunfire in Voznesenivka (formerly Chervonopartyzansk), Luhansk region

The SMM followed up on reports of a man (aged 54) who was injured due to the detonations of undetermined explosive objects in Dovhe (non-government-controlled, 22km north-west of Luhansk) on 3 February 2021.

On 27 April, at 17 Shkilna Street in Stepove (non-government-controlled, 27km west of Luhansk), a man (aged 54) told the Mission that on 3 February, he had been walking towards the southern bank of the Siverskyi Donets River near Dovhe to go fishing with a friend, when he had walked over two objects on the ground that detonated. He showed the SMM a medical certificate from a hospital in Luhansk city (non-government-controlled), which stated that he had suffered multiple shrapnel injuries to both legs, which had to be amputated.

On 11 February, in Stepove, a man (in his sixties), told the SMM that on 3 February, he had been walking towards the southern bank of the Siverskyi Donets River near Dovhe to go fishing with the man, when he had heard an explosion and saw that his friend was lying on the ground with injuries to both of his legs.

The Mission also followed up on reports of a girl (aged 15) who was injured due to gunfire in Voznesenivka (formerly Chervonopartyzansk, non-government-controlled, 65km south-east of Luhansk) on 18 April 2021.

On 27 April, medical staff at a hospital in Dovzhansk (formerly Sverdlovsk, non-government-controlled, 60km south-east of Luhansk) told the SMM that on 18 April, a girl (aged 15) had been hospitalised with a gunshot wound to her neck and a spinal injury. She was subsequently transferred to a hospital in Luhansk city (non-government-controlled).

On 14 May, in Voznesenivka, a man (in his thirties), who introduced himself as the father of the injured girl, told the Mission that on 18 April, his daughter and some of her friends had been visiting an acquaintance at a military-type compound in Voznesenivka. He said that a shot had been fired and had wounded the girl, who was subsequently hospitalised.

Disengagement areas near Stanytsia Luhanska, Zolote and Petrivske⁵

On 16 May, while positioned inside the **disengagement area near Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk), the SMM saw two members of the armed formations (wearing armbands with “JCCC” written on them) south of the repaired span of the Stanytsia Luhanska bridge (15km north-east of Luhansk).

On 14 May, inside the **disengagement area near Zolote**, an SMM long-range unmanned aerial vehicle (UAV) spotted a person inside a former position of the armed formations, near its eastern edge, about 1.4km north of its south-eastern corner.

During the night of 14 -15 May, the SMM camera in Zolote recorded 17 projectiles in flight at an assessed range of 2-4km east. On the evening of 15 May, it recorded 48 projectiles in flight at an assessed range of 3-5km east. During the day on 15 May, while positioned at two locations near the disengagement area, the SMM recorded seven undetermined explosions. During the day on 16 May, while positioned at three locations close to the disengagement area, the SMM recorded 27 undetermined explosions and 40 bursts and shots of small-arms and heavy-machine-gun fire. All these ceasefire violations were assessed as outside the disengagement area but within 5km of its periphery.

On 15 and 16 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 to about 350m north of its southern edge and then returned, accompanied by an ambulance and people in medical protective gear.

On both days, the Mission again saw the eight previously observed containers located south of the disengagement area’s southern edge, on its edge and inside the area.

On 14 May, inside the **disengagement area near Petrivske**, an SMM long-range UAV spotted one person inside a former position of the Ukrainian Armed Forces about 1.5km east-north-east of the area’s south-western corner and another person inside a former position of the armed formations about 150m north-west of the area’s south-eastern corner.

On the evening of 14 May, the SMM camera 2km east of Bohdanivka (government-controlled, 41km south-west of Donetsk) recorded a projectile in flight, at an assessed range of 2-4km south-south-east, assessed as outside the disengagement area but within 5km of its periphery. On the evening of 15 May, the same camera recorded four explosions (one impact, one airburst and two undetermined) and 46 projectiles in flight, all at an assessed range of 1-3km east, east-south-east and south-east, assessed as inside the disengagement area, as well as two projectiles in flight and an explosion (airburst), all at an assessed range of 3-5km south-east, assessed as outside the disengagement area but within 5km of its 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 day on 15 May, while positioned at three locations close to the disengagement area, the Mission heard six undetermined explosions and 53 bursts and shots of small-arms and heavy-machine-gun fire. During the day of 16 May, while positioned at a location near the disengagement area, the SMM heard an undetermined explosion. All of these ceasefire violations were assessed as outside the disengagement area but within 5km of its periphery.

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.

In violation of withdrawal lines, the Mission saw 21 multiple launch rocket systems, four towed howitzers and two self-propelled howitzers in non-government-controlled areas of Luhansk region.

Beyond withdrawal lines but outside designated storage sites, the SMM saw 22 tanks near a training area in a non-government-controlled area of Donetsk region. (For further information, see the tables below.)

Weapons storage sites

At two heavy weapons permanent storage sites in non-government-controlled areas of Luhansk region

On 15 May, the SMM noted that a multiple launch rocket system (BM-21 *Grad*, 122mm) and one self-propelled howitzer (2S1 *Gvozdika*, 122mm) were again missing.

At two permanent storage sites in non-government-controlled areas of Luhansk region

On 15 May, the SMM noted that all previously observed weapons were present.

At a permanent storage site in a government-controlled area of Luhansk region

On 16 May, the SMM noted that 33 tanks (27 T-64 and six T-72), 12 towed mortars (2B9 *Vasilek*, 82mm) and ten mortars (three 2B14 *Podnos*, 82mm, five BM-37, 82mm, one 2B10, 82mm and one 2B11 *Sani*, 120mm) and two anti-tank guns (D-48, 85mm) were again missing.

Weapons that the SMM could not verify as withdrawn⁶

At a heavy weapons holding area in a government-controlled area of Luhansk region

On 15 May, the SMM noted that ten self-propelled howitzers (2S1) were present and that three self-propelled howitzers (2S1) were again missing.

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

The Mission saw four armoured combat vehicles in government-controlled areas of Donetsk and Luhansk regions, including in a residential area. (For further information, see the table below.)

⁶ The SMM observed weapons that could not be verified as withdrawn, as their storage did not comply with the criteria set out in the 16 October 2015 notification from the SMM to the signatories of the Package of Measures on effective monitoring and verification of the withdrawal of heavy weapons.

⁷ The hardware mentioned in this section is not proscribed by the provisions of the Minsk agreements on the withdrawal of weapons.

Presence of mines near Popasna, Luhansk region

On 14 May, near a checkpoint of the Ukrainian Armed Forces on the eastern edge of Popasna (government-controlled, 69km west of Luhansk), the Mission again spotted six anti-tank mines attached to a board lying on the southern edge of road T-0504, assessed as belonging to the Ukrainian Armed Forces. (For previous observations in the area, see [SMM Daily Report 14 April 2021](#).)

On 15 May, while positioned at two locations near Hlynokarier (government-controlled, 75km west of Luhansk), the SMM heard 13 explosions, assessed as controlled detonations of unexploded ordnance (UXO).

On the same day, about 2.5km west-south-west of Molodizhne (non-government-controlled, 63km north-west of Luhansk), the SMM noted that an anti-personnel mine (MON-200), previously observed about 10m north of road T-0504, was no longer present. (For previous observations in the area, see [SMM Daily Report 8 February 2021](#).)

On 16 May, about 3km north of Lyse (non-government-controlled, 22km south-east of Luhansk), the Mission noted that a mine hazard sign previously observed about 2m north of a local road was no longer present. (For previous observations in the area, see [SMM Daily Report 25 January 2019](#).)

SMM facilitation of maintenance and operation of critical civilian infrastructure

On 15 and 16 May, the Mission continued to facilitate the operation of the Donetsk Filtration Station (15km north of Donetsk).

Situation at entry-exit checkpoints and corresponding checkpoints

In Luhansk region, on 15 and 16 May, the Mission noted that the EECP near Stanytsia Luhanska was open with people queueing to travel in both directions. On 16 May, it also saw that the corresponding checkpoint of the armed formations south of the Stanytsia Luhanska bridge was open, with people queueing to travel in both directions.

On both days, the SMM also 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 control

While at a border crossing point⁸ near Uspenka (73km south-east of Donetsk) for about 50 minutes, the Mission observed 16 cars (including nine with “DPR” plates), six covered cargo trucks (including four with “DPR” plates), a bus (with “DPR” plates, carrying about 50 passengers of mixed genders and ages), a mini-bus (with “DPR” plates) and nine people (four women and five men, in their forties and fifties) entering Ukraine. During the same time, it also observed 13 cars (including nine with “DPR” plates), eight covered cargo trucks (including six with “DPR” plates), a bus (with “DPR” plates, carrying about 50 passengers of mixed genders and ages), a mini-bus (with “DPR” plates) and 13 people (six women and seven men, mixed ages) exiting Ukraine.

⁸ 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.

While at a border crossing point near Ulianivske (61km south-east of Donetsk), for about 25 minutes, SMM did not observe any people or vehicles entering or exiting Ukraine.

On the same day, the SMM monitored border areas outside government control near Stepne (72km south-east of Donetsk), Petropavlivka (68km south-east of Donetsk), Vasylivka (65km south-east of Donetsk), Kosharne (61km south-east of Donetsk), Novoivanivka (57km south-east of Donetsk) and Olhynske (55km south-east of Donetsk) and observed no change in the security situation.

Security situation in south-east Kherson region

From 14 to 16 May, the Mission monitored areas of south-east Kherson region at checkpoints near Chonhar (163km south-east of Kherson), Kalanchak (67km south-east of Kherson) and Chaplynka (77km south-east of Kherson), and areas along the coast of the Azov Sea near Henichesk (176km east of Kherson). 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, 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 15 May 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.

Regular restrictions related to disengagement areas and mines/UXO:

- The sides continued to deny the SMM full access, as well as the ability to travel certain roads previously identified as important for effective monitoring by the Mission and for civilians' movement, through failure to conduct comprehensive clearance of mines, UXO and other obstacles.

Other impediments:⁹

- On 16 May, an SMM mini-UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying over areas near Marinka (government-controlled, 23km south-west of Donetsk).

⁹ 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 UAV's position.

Table of weapons

Weapons in violation of withdrawal lines

Date	No. of weapons	Type of weapon	Location	Source of observation
Non-government-controlled areas				
15/5/2021	2	Self-propelled howitzer (2S1 <i>Gvozdika</i> , 122mm)	Near Bile (22km west of Luhansk)	Patrol
	4	Towed howitzer (D-30 <i>Lyagushka</i> , 122mm)		
	21	Multiple launch rocket system (BM-21 <i>Grad</i> , 122mm)	Near Khrustalnyi (formerly Krasnyi Luch, 56km south-west of Luhansk)	

Weapons beyond withdrawal lines but outside designated storage sites

Date	No. of weapons	Type of weapon	Location	Source of observation
Non-government-controlled areas				
14/5/2021	22	Tank (type undermined)	Near a training area near Ternove (57km east of Donetsk)	Long-range UAV

Table of military and military-type presence in the security zone¹⁰

Date	No.	Type	Location	Source of observation
Government-controlled areas				
13/5/2021	1	Armoured combat vehicle (type undetermined)	Near Prychepylyvka (50km north-west of Luhansk)	Aerial imagery
14/5/2021	1	Armoured reconnaissance vehicle (BRDM-2)	In Orikhove (57km north-west of Luhansk)	Mini-UAV
16/5/2021	1	Armoured personnel carrier (MT-LB)	In a residential area of Pervomaiske (17km north-west of Donetsk)	Patrol
	1	Armoured personnel carrier (BTR-70)	Near Novobakhmutivka (28km north of Donetsk)	

¹⁰ 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 16 May 2021¹¹

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 SSE	Recorded	1	Projectile	SSW to NNE (assessed as outside the disengagement area near Petrivske)	N/K	14-May, 22:33
SMM camera in Hranitne (government-controlled, 60km S of Donetsk)	2-4km ENE	Recorded	7	Projectile	NW to SE	N/K	14-May, 23:43
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1-3km E	Recorded	1	Projectile	In vertical flight	N/K	14-May, 22:21
	1-3km E	Recorded	78	Projectile	In vertical flight	N/K	14-May, 22:22
	1-3km ENE	Recorded	23	Projectile	In vertical flight	N/K	14-May, 22:22
	1-3km E	Recorded	7	Projectile	In vertical flight	N/K	14-May, 22:23
	1-3km E	Recorded	14	Projectile	In vertical flight	N/K	14-May, 22:33
	1-3km E	Recorded	22	Projectile	In vertical flight	N/K	15-May, 01:36
	1-3km E	Recorded	10	Projectile	In vertical flight	N/K	15-May, 01:39
	1-3km E	Recorded	2	Projectile	In vertical flight	N/K	15-May, 03:11
	1-3km E	Recorded	56	Projectile	In vertical flight	N/K	15-May, 03:12
	1-3km ENE	Recorded	43	Projectile	In vertical flight	N/K	15-May, 03:12
	1-3km ENE	Recorded	40	Projectile	In vertical flight	N/K	15-May, 03:13
	1-3km E	Recorded	32	Projectile	In vertical flight	N/K	15-May, 03:13
	1-3km E	Recorded	9	Projectile	In vertical flight	N/K	15-May, 04:40
	SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	5-8km N	Recorded	1	Explosion	Undetermined	N/K	14-May, 22:56
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	14-May, 23:02
	3-6km N	Recorded	1	Explosion	Undetermined	N/K	14-May, 23:06
	5-8km N	Recorded	1	Explosion	Undetermined	N/K	14-May, 23:08
	3-6km N	Recorded	1	Explosion	Undetermined	N/K	14-May, 23:11
	5-8km NNE	Recorded	1	Explosion	Undetermined	N/K	14-May, 23:12
	3-5km N	Recorded	6	Projectile	WSW to ENE	N/K	14-May, 23:19
	4-6km N	Recorded	1	Muzzle flash		N/K	14-May, 23:21
	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	14-May, 23:21
	3-5km N	Recorded	1	Projectile	ESE to WNW	N/K	14-May, 23:21
	5-8km NNE	Recorded	1	Explosion	Undetermined	N/K	14-May, 23:27
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	14-May, 23:31
	5-8km N	Recorded	1	Explosion	Undetermined	N/K	14-May, 23:33
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	14-May, 23:35
	3-5km N	Recorded	1	Projectile	ESE to WNW	N/K	14-May, 23:37
	4-7km N	Recorded	1	Explosion	Undetermined	N/K	14-May, 23:38
	5-8km N	Recorded	1	Explosion	Undetermined	N/K	14-May, 23:42
	4-7km N	Recorded	1	Explosion	Undetermined	N/K	14-May, 23:44
	5-8km NNE	Recorded	1	Explosion	Undetermined	N/K	14-May, 23:45
	4-7km N	Recorded	1	Explosion	Undetermined	N/K	14-May, 23:46
4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	14-May, 23:49	
4-7km NNE	Recorded	1	Explosion	Undetermined	N/K	14-May, 23:51	
3-5km N	Recorded	1	Projectile	ESE to WNW	N/K	15-May, 00:19	
About 1km NW of Verkhnotoretske (government-controlled, 23km NE of Donetsk)	2-3km E	Heard	1	Explosion	Undetermined	N/K	15-May, 10:22
	3-4km NE	Heard	1	Explosion	Undetermined	N/K	15-May, 10:40
About 2km SE of Yuriivka (government-controlled, 35km N of Donetsk)	2-3km NE	Heard	1	Explosion	Undetermined	N/K	15-May, 11:02
About 600m NNE of Novhorodske (government-controlled, 35km N of Donetsk)	3-4km S	Heard and saw	1	Explosion	Undetermined	N/K	15-May, 11:38
About 1km SW of Novoluhanske (government-controlled, 53km NE of Donetsk)	1-2km S	Heard	1	Explosion	Undetermined	N/K	15-May, 10:23
	1-2km S	Heard	1	Explosion	Undetermined	N/K	15-May, 10:26

¹¹ 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
	1-2km S	Heard	1	Explosion	Undetermined	N/K	15-May, 10:43
About 1km NE of Zalizne (formerly Artemove, government-controlled, 42km NE of Donetsk)	3-6km SW	Heard	1	Explosion	Undetermined	N/K	15-May, 10:40
	3-6km SW	Heard	1	Explosion	Undetermined	N/K	15-May, 10:49
	3-6km SW	Heard	1	Explosion	Undetermined	N/K	15-May, 11:00
About 600m SE of Nelipivka (government-controlled, 40km N of Donetsk)	3-6km S	Heard	1	Explosion	Undetermined	N/K	15-May, 11:37
	3-5km S	Heard	1	Explosion	Undetermined	N/K	15-May, 10:42
About 1.7km ESE of Luhanske (government-controlled, 59km NE of Donetsk)	3-5km S	Heard	1	Explosion	Undetermined	N/K	15-May, 10:51
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km SE	Heard	1	Explosion	Undetermined	N/K	15-May, 11:01
About 2km NE of Chemenko (government-controlled, 86km S of Donetsk)	8-10km SE	Heard	1	Explosion	Undetermined	N/K	15-May, 11:06
About 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	4-6km SSE	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	15-May, 13:56
	4-6km SSE	Heard	3	Burst	Assessed as outside the disengagement area	HMG	15-May, 13:56
About 500m NW of Petrivske (non-government-controlled, 41km S of Donetsk)	5-7km S	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	15-May, 11:01
About 2km N of Petrivske (non-government-controlled, 41km S of Donetsk)	5-7km SSE	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	15-May, 11:05-11:20
	2-3km SSE	Heard	9	Shot	Assessed as outside the disengagement area	Small arms	15-May, 11:05-11:20
	3-5km SSE	Heard	8	Burst	Assessed as outside the disengagement area	HMG	15-May, 13:25-13:35
	3-5km SSE	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	15-May, 13:25-13:35
	3-5km SSE	Heard	1	Shot	Assessed as outside the disengagement area	Small arms	15-May, 13:45
	1-2km SSE	Heard	32	Shot	Assessed as outside the disengagement area	Small arms	15-May, 13:56-14:00
Naberezhne (non-government-controlled, 77km S of Donetsk)	5-8km W	Heard	1	Explosion	Undetermined	N/K	15-May, 11:08
About 3km NNW of Oleksandrivka (non-government-controlled, 20km SW of Donetsk)	2-3km SW	Heard	1	Explosion	Undetermined	N/K	15-May, 12:15
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	2-4km ESE	Recorded	1	Projectile	NE to SW	N/K	14-May, 23:21
	2-4km ESE	Recorded	2	Projectile	NE to SW	N/K	14-May, 23:22
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2-4km E	Recorded	3	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	14-May, 23:51
	2-4km E	Recorded	4	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	14-May, 23:53
	2-4km E	Recorded	6	Projectile	In vertical flight (assessed as outside the disengagement area)	N/K	15-May, 01:35

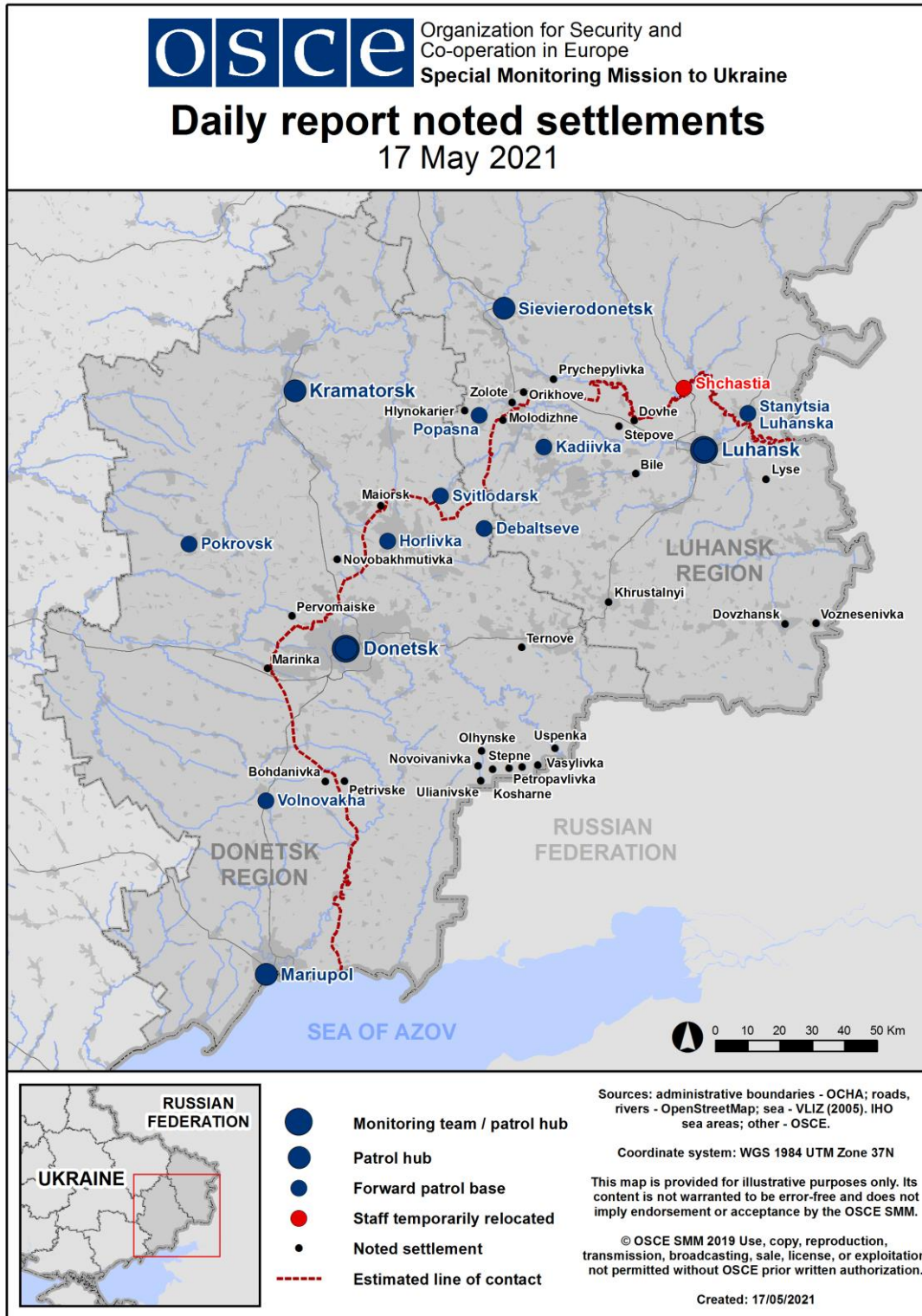
SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	2-4km E	Recorded	2	Projectile	In vertical flight (assessed as outside the disengagement area)	N/K	15-May, 01:37
	2-4km E	Recorded	2	Projectile	In vertical flight (assessed as outside the disengagement area)	N/K	15-May, 01:39
About 3km NNE of Kalynove (non-government-controlled, 60km W of Luhansk)	6-8km W	Heard	1	Explosion	Undetermined	N/K	15-May, 10:24
N edge of Holubivka (formerly Kirovsk, non-government-controlled, 51km W of Luhansk)	7-10km NNW	Heard	1	Explosion	Undetermined	N/K	15-May, 10:25
NE edge of Katerynivka (government-controlled, 64km W of Luhansk)	5-7km SW	Heard	5	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	15-May, 10:53-11:05
Trokhizbenka (government-controlled, 32km NW of Luhansk)	5-10km SW	Heard	3	Explosion	Undetermined	N/K	15-May, 11:00-11:10
	2-4km W	Heard	10	Burst		HMG	15-May, 11:00-11:10
	2-4km W	Heard	6	Shot		Small arms	15-May, 11:10
N edge of Kalynove-Borshchuvate (non-government-controlled, 61km W of Luhansk)	10-12km N	Heard	2	Explosion	Undetermined	N/K	15-May, 13:18-13:24
SE edge of Zolote-3/Stakhanovets (government-controlled, 61km W of Luhansk)	4-7km SW	Heard	6	Explosion	Undetermined	N/K	15-May, 13:54-14:00
	5-8km SSW	Heard	11	Explosion	Undetermined	NK	15-May, 14:10-14:18
About 2.5km N of Pervomaisk (non-government-controlled, 58km W of Luhansk)	10-15km WSW	Heard	8	Explosion	Undetermined	N/K	15-May, 14:13-14:15
E edge of Orikhove (government-controlled, 57km NW of Luhansk)	4-6km S	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	15-May, 14:55-14:57
	7-8km W	Heard and saw	1	Explosion	Undetermined	N/K	15-May, 15:00
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	1-3km ESE	Recorded	1	Projectile	WSW to ENE	N/K	15-May, 21:26
	1-3km ESE	Recorded	2	Projectile	SW to NE (also recorded by the SMM cameras at the DFS)	N/K	15-May, 21:26
	1-3km ESE	Recorded	2	Projectile	SW to NE	N/K	15-May, 21:29
	1-3km ESE	Recorded	3	Projectile	SW to NE (also recorded by the SMM cameras at the DFS)	N/K	15-May, 21:29
	1-3km ESE	Recorded	6	Projectile	SW to NE	N/K	15-May, 21:30
	1-3km ESE	Recorded	1	Projectile	SW to NE (also recorded by the SMM cameras at the DFS)	N/K	15-May, 21:30
	1-3km ESE	Recorded	1	Projectile	SW to NE	N/K	15-May, 21:33
	1-3km ESE	Recorded	5	Projectile	SW to NE (also recorded by the SMM cameras at the DFS)	N/K	15-May, 21:33
SMM camera 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	3-5km SE	Recorded	2	Projectile	SW to NE (assessed as outside the disengagement area near Petrivske)	N/K	15-May, 20:46

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	3-5km SE	Recorded	1	Projectile	SW to NE (assessed as outside the disengagement area near Petrivske)	N/K	15-May, 20:46
	3-5km SE	Recorded	1	Explosion	Airburst (assessed as outside the disengagement area near Petrivske)	N/K	15-May, 20:46
	1-2km ESE	Recorded	10	Projectile	SSW to NNE (assessed as inside the disengagement area near Petrivske)	N/K	15-May, 21:55
	1-2km SE	Recorded	7	Projectile	SSW to NNE (assessed as inside the disengagement area near Petrivske)	N/K	15-May, 21:55
	1-2km SE	Recorded	27	Projectile	SSW to NNE (assessed as inside the disengagement area near Petrivske)	N/K	15-May, 21:56
	1-3km ESE	Recorded	2	Explosion	Undetermined (assessed as inside the Petrivske disengagement area)	N/K	15-May, 21:56
	1-3km E	Recorded	1	Projectile	SSW to NNE (assessed as inside the disengagement area near Petrivske)	N/K	15-May, 21:56
	1-3km E	Recorded	1	Explosion	Impact (subsequent to previous event, assessed as inside the disengagement area near Petrivske)	N/K	15-May, 21:56
	1-3km E	Recorded	1	Projectile	SSW to NNE (assessed as inside the disengagement area near Petrivske)	N/K	15-May, 21:56
	1-3km E	Recorded	1	Explosion	Airburst (subsequent to previous event, assessed as inside the disengagement area near Petrivske)	N/K	15-May, 21:56
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-3km SSW	Recorded	44	Projectile	In vertical flight	N/K	15-May, 21:35
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1-3km E	Recorded	23	Projectile	In vertical flight	N/K	15-May, 21:22
	1-3km E	Recorded	29	Projectile	In vertical flight	N/K	15-May, 21:25
	1-3km ENE	Recorded	9	Projectile	In vertical flight	N/K	15-May, 21:30
	1-3km E	Recorded	3	Projectile	In vertical flight	N/K	15-May, 21:32
	1-3km E	Recorded	23	Projectile	In vertical flight	N/K	15-May, 21:33
	1-3km E	Recorded	100	Projectile	In vertical flight	N/K	15-May, 21:34
	1-3km E	Recorded	12	Projectile	In vertical flight	N/K	15-May, 21:34

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	1-3km E	Recorded	22	Projectile	In vertical flight	N/K	15-May, 21:35
	1-3km E	Recorded	1	Projectile	In vertical flight	N/K	15-May, 21:36
	1-3km E	Recorded	15	Projectile	In vertical flight	N/K	15-May, 23:10
	1-3km E	Recorded	45	Projectile	In vertical flight	N/K	15-May, 23:11
	1-3km ENE	Recorded	5	Projectile	In vertical flight	N/K	15-May, 23:11
	1-3km E	Recorded	18	Projectile	In vertical flight	N/K	15-May, 23:12
	1-3km ENE	Recorded	2	Projectile	In vertical flight	N/K	15-May, 23:12
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	1-3km E	Recorded	1	Projectile	In vertical flight	N/K	15-May, 23:22
	1-3km W	Recorded	8	Projectile	In vertical flight	N/K	15-May, 21:15
	1-3km W	Recorded	2	Projectile	In vertical flight	N/K	15-May, 21:29
	1-3km W	Recorded	7	Projectile	In vertical flight	N/K	15-May, 21:30
	1-3km W	Recorded	6	Projectile	In vertical flight	N/K	15-May, 21:31
	1-3km W	Recorded	2	Projectile	In vertical flight	N/K	15-May, 21:32
	3-5km W	Recorded	1	Projectile	In vertical flight	N/K	15-May, 22:51
	3-5km W	Recorded	8	Projectile	In vertical flight	N/K	15-May, 23:10
	3-5km W	Recorded	7	Projectile	In vertical flight	N/K	15-May, 23:11
	2-4km NE	Recorded	3	Projectile	WNW to ESE	N/K	15-May, 21:23
	2-4km NE	Recorded	1	Projectile	WNW to ESE	N/K	15-May, 21:23
	2-4km NE	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	15-May, 21:23
	2-4km NE	Recorded	3	Projectile	WNW to ESE	N/K	15-May, 21:25
	2-4km NE	Recorded	1	Projectile	WNW to ESE	N/K	15-May, 21:25
	2-4km NE	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	15-May, 21:25
	2-4km NE	Recorded	4	Projectile	WNW to ESE	N/K	15-May, 21:29
	2-4km NE	Recorded	6	Projectile	WNW to ESE	N/K	15-May, 21:30
	2-4km NE	Recorded	1	Projectile	WNW to ESE	N/K	15-May, 21:32
	2-4km NE	Recorded	6	Projectile	WNW to ESE	N/K	15-May, 21:33
	1-3km NNE	Recorded	10	Projectile	In vertical flight	N/K	15-May, 21:34
	1-3km NNE	Recorded	74	Projectile	In vertical flight	N/K	15-May, 21:35
	3-5km NE	Recorded	13	Projectile	In vertical flight	N/K	15-May, 22:17
	3-5km NE	Recorded	1	Projectile	In vertical flight	N/K	15-May, 22:30
	3-5km NE	Recorded	7	Projectile	In vertical flight	N/K	15-May, 22:31
	1-4km NNE	Recorded	37	Projectile	In vertical flight	N/K	15-May, 23:10
	1-4km NNE	Recorded	48	Projectile	In vertical flight	N/K	15-May, 23:11
	1-5km NNE	Recorded	35	Projectile	In vertical flight	N/K	15-May, 23:12
1-3km NNE	Recorded	3	Projectile	In vertical flight	N/K	15-May, 23:13	
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	3-5km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	15-May, 23:20
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	15-May, 23:50
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	15-May, 23:51
About 1km N of railway station in Donetsk city (non-government-controlled, 6km NW of Donetsk city centre)	2-3km N	Heard	1	Explosion	Undetermined	N/K	16-May, 11:23
About 500m NW of Petrivske (non-government-controlled, 41km S of Donetsk)	1-2km NW	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	16-May, 13:15
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	2-4km SW	Recorded	1	Illumination flare	In vertical flight	N/K	15-May, 22:02
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	3-5km E	Recorded	5	Projectile	In vertical flight (assessed as outside the disengagement area)	N/K	15-May, 21:34
	3-5km E	Recorded	5	Projectile	In vertical flight (assessed as outside the disengagement area)	N/K	15-May, 21:35
	3-5km E	Recorded	2	Projectile	SSW to NNE (assessed as outside the disengagement area)	N/K	15-May, 21:39

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	3-5km E	Recorded	6	Projectile	In vertical flight (assessed as outside the disengagement area)	N/K	15-May, 23:10
	3-5km E	Recorded	24	Projectile	In vertical flight (assessed as outside the disengagement area)	N/K	15-May, 23:11
	3-5km E	Recorded	6	Projectile	In vertical flight (assessed as outside the disengagement area)	N/K	15-May, 23:12
N edge of Popasna (government-controlled, 69km W of Luhansk)	3-5km ESE	Heard	21	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	16-May, 07:12-07:30
	3-5km ESE	Heard	3	Burst	Assessed as outside the disengagement area near Zolote	HMG	16-May, 07:12-07:30
	3-5km ESE	Heard	26	Burst	Assessed as outside the disengagement area near Zolote	Small arms	16-May, 07:12-07:30
	3-5km ESE	Heard	11	Shot	Assessed as outside the disengagement area near Zolote	Small arms	16-May, 07:12-07:30
About 3km N of Pervomaisk (non-government-controlled, 58km W of Luhansk)	4-6km NNE	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	16-May, 11:13
Zolote-2/Karbonit (government-controlled, 62km W of Luhansk)	5-6km SE	Heard	4	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	16-May, 14:03-14:15

Map of Donetsk and Luhansk regions¹²



¹² 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).