



Daily Report 51/2020

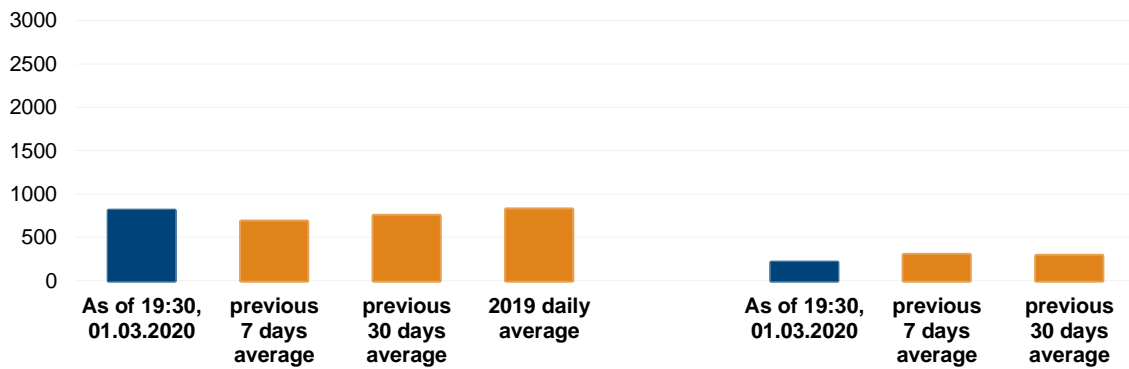
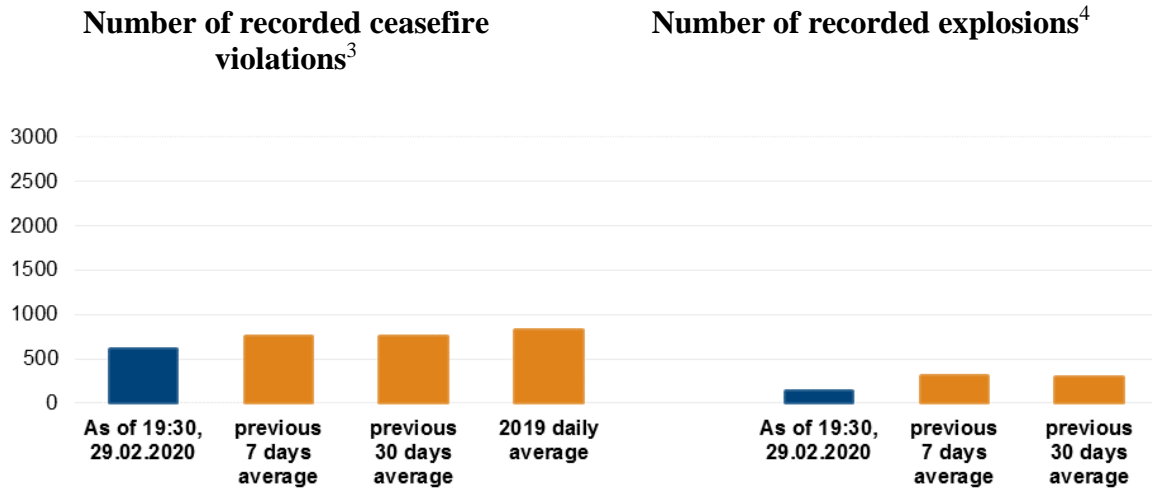
2 March 2020¹

Summary

- Compared with the previous reporting period, between the evenings of 28 and 29 February, the SMM recorded more ceasefire violations in both Donetsk and Luhansk regions.
- Between the evenings of 29 February and 1 March, the Mission recorded fewer ceasefire violations in Donetsk region and more in Luhansk region, compared with the previous 24 hours.
- In Donetsk city, a man was injured when a metal object exploded in his hand.
- In Zolote-5/Mykhailivka (Luhansk region) and Oleksandrivka (Donetsk region), two civilian properties and a school building sustained damage from gunfire.
- The Mission recorded ceasefire violations close to the disengagement areas near Stanytsia Luhanska and Zolote, and inside the disengagement area near Petrivske.
- On the afternoon on 29 February, the SMM recorded two explosions at a south-easterly direction of the entry-exit checkpoint near Marinka, following which the checkpoint was reportedly closed until 1 March.
- The SMM's freedom of movement was restricted at checkpoints in Starolaspa, Verkhnohyrokiivske and Bezimenne, and near Zaichenko and near Markyne, all in southern Donetsk region.*

¹Based on information from the Monitoring Teams as of 19:30, 1 March 2020. All times are in Eastern European Time.

Ceasefire violations²



² For a complete breakdown of ceasefire violations, please see the annexed table.

³Including explosions.

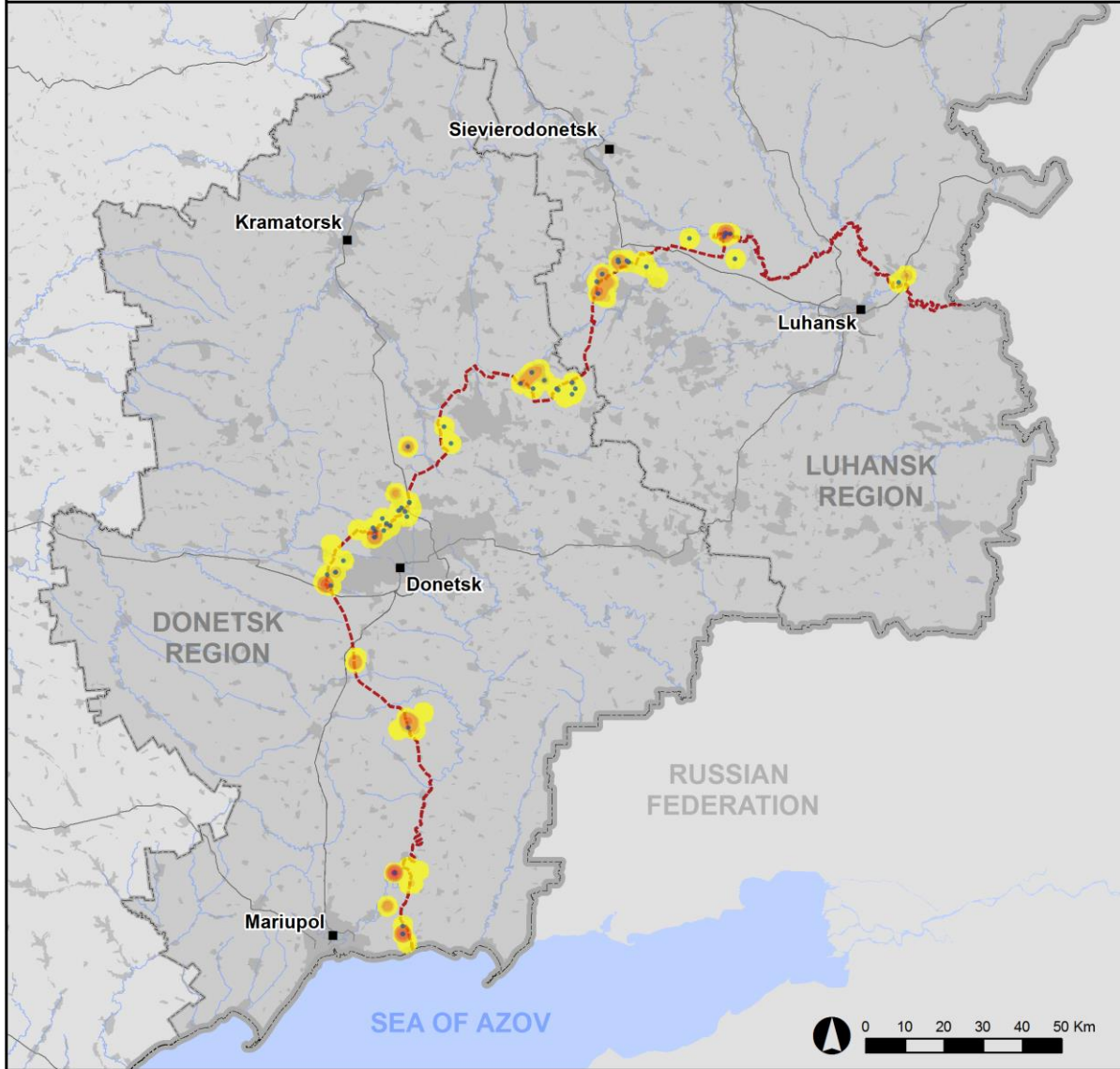
⁴Including from unidentified weapons.

Map of recorded ceasefire violations

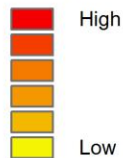


Organization for Security and
Co-operation in Europe
Special Monitoring Mission to Ukraine

Ceasefire violations observed by the SMM 29 February-1 March 2020



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: 02/03/2020

In Donetsk region, between the evenings of 28 and 29 February, the SMM recorded more ceasefire violations, including, however, fewer explosions (62), compared with [the previous reporting period](#) (about 200 explosions). The majority of the ceasefire violations were recorded at northerly directions of Marinka (government-controlled, 23km south-west of Donetsk) and in areas north-east of Orlivske (government-controlled, 82km south of Donetsk).

Between the evenings of 29 February and 1 March, the Mission recorded fewer ceasefire violations, including, however, more explosions (about 120), compared with the previous 24 hours. The majority of the ceasefire violations were recorded at northerly directions of Shyrokyne (government-controlled, 100km south of Donetsk), in areas south-west of the former Donetsk international airport (non-government-controlled) and at easterly and south-westerly directions of Svitlodarsk (government-controlled, 57km north-east of Donetsk).

In Luhansk region, between the evenings of 28 and 29 February, the SMM recorded more ceasefire violations, including more explosions (67), compared with [the previous reporting period](#) (11 explosions). The majority of the ceasefire violations, including the majority of the explosions, were recorded in areas close to the disengagement area near Zolote (government-controlled, 60km west of Luhansk) (see below).

Between the evenings of 29 February and 1 March, the Mission recorded more ceasefire violations, including more explosions (about 90), compared with the previous 24 hours. Almost all ceasefire violations were recorded in areas south-east of Popasna (government-controlled, 69km west of Luhansk) and in areas south-west of Trokhizbenka (government-controlled, 32km north-west of Luhansk).

Man injured due to the explosion of an object in Donetsk city's Kyivskiyi district

On 29 February, at a hospital in Donetsk city (non-government-controlled), the Mission saw a man (in his sixties) with a bandage on his right forearm and scratches on his left hand and lower abdomen. He told the SMM that on the morning of 27 February, while in the yard of his house on Kominternu Street, he had picked up a 10cm-long piece of metal, which then exploded. Medical staff at the hospital told the Mission that the man had been admitted on 27 February with severe injuries to his hand from an explosion. The man also told the Mission that a day before the accident he had seen objects similar to the one he had picked up near his house.

Damage from gunfire to civilian properties and a school in Zolote-5/Mykhailivka and Oleksandrivka

On 28 February, at 4 Dundicha Street in Zolote-5/Mykhailivka (non-government-controlled, 58km west of Luhansk), the SMM saw a hole in the wooden roof of a brick garage, located about 20m from a house, as well as shrapnel marks around it and bent roof tiles. The Mission assessed the damage as fresh and caused by gunfire (either an infantry fighting vehicle (BMP-1) cannon (73mm) or a recoilless gun (SPG-9, 73mm)) originating from a north-westerly direction. Five residents of the area (mixed ages and genders) told the SMM that the garage had been damaged during shelling on 26 February. (For previous observations of damage to civilian properties on Dundicha Street, see [SMM Daily Report 29 February 2020](#).)

On 1 March, at 190 Shkilna Street in the western part Oleksandrivka (non-government-controlled, 20km south-west of Donetsk), the SMM saw a small impact in the west-facing wall of a brick shed located about 3m from an inhabited one-storey house. The Mission assessed the damage as fresh and caused by heavy-machine-gun (12.7mm) fire. A man (in his thirties) who introduced himself as the owner of the house told the SMM that he had been at home on the evening of 29 February when he heard a “blow”, and that he had seen the damage.

On the same day, at 171 Lenin Street, also in the western part of Oleksandrivka, the SMM saw several small pockmarks and a shattered fourth-floor windowpane in the west-facing wall of a functioning school. The Mission assessed the damage as fresh and caused by heavy-machine-gun (12.7mm) fire.

The above-mentioned shed and school building are located less than 1.5km from the contact line.

Explosions near the entry-exit checkpoint close to Marinka

At about 15:20 on 29 February, positioned at the entry-exit checkpoint (EECP) near Marinka (government-controlled, 23km south-west of Donetsk), the SMM heard and saw two impacts of rounds from undetermined weapons at an assessed range of 2-3km east-south-east. Soon thereafter, about 500m south of the EECP, the Mission saw a burning object, assessed as an armoured personnel carrier, and two Ukrainian Armed Forces personnel running towards it. Shortly after, a representative of the Ukrainian Armed Forces in the Joint Centre for Control and Co-ordination (JCCC) informed the Mission that the EECP would be closed until further notice. Early in the morning on 1 March, a representative of the Ukrainian Armed Forces in the JCCC informed the SMM that the EECP had been reopened and would be working according to the spring schedule (07:00-18:30). During the day on 1 March, the Mission saw a normal flow of traffic through the EECP.

Disengagement areas near Stanytsia Luhanska, Zolote and Petrivske⁵

On the night of 29 February-1 March, the SMM camera at the Prince Ihor Monument south-east of the Stanytsia Luhanska bridge (15km north-east of Luhansk) recorded an undetermined explosion at an assessed range of 1.7-2.3km north-north-west. The SMM could not assess whether it occurred inside or outside **the disengagement area near Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk). In the early morning hours of 1 March, while on the eastern edge of Stanytsia Luhanska, the Mission heard 15 shots of small-arms fire at an assessed range of 0.7-1.5km south-south-east and assessed as outside the disengagement area but within 5km of its periphery.

On 29 February and 1 March, the SMM saw members of the armed formations (wearing armbands with “JCCC” written on them) between the new span of the bridge and the checkpoint of the armed formations south of the bridge.

On the evening of 28 February, the SMM camera in Zolote recorded ten undetermined explosions and 31 projectiles in flight, all at an assessed range of 1-2km east-north-east and east. On 29 February, while in Popasna, the SMM heard 40 undetermined explosions at an

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

assessed range of 4-8km east. During the day, while positioned on the southern edge of **the disengagement area near Zolote**, the Mission heard seven undetermined explosions at an assessed range of 3-5km north-north-east. On the night between 29 February and 1 March, the same camera recorded an undetermined explosion and 16 projectiles in flight, all at an assessed range of 1-2km east. All these ceasefire violations were assessed as outside the disengagement area but within 5km of its periphery.

On 29 February, the Mission saw at least 50 Ukrainian Armed Forces personnel wearing body armours and helmets, and carrying communications and night vision equipment in residential areas of Zolote-2/Karbonit (government-controlled, 62km west of Luhansk) and Zolote-4/Rodina(government-controlled, 59km west of Luhansk), some of whom were stationed at mobile checkpoints while the rest were conducting patrols.

On the same day, at the checkpoint of the Ukrainian Armed Forces on the northern edge of the Zolote disengagement area, the SMM saw a convoy of 26 civilian and police vehicles, each with about four armed personnel inside, pass the checkpoint and drive westwards inside the disengagement area towards Katerynivka (government-controlled, 64km west of Luhansk) and eastwards towards Zolote-4/Rodina. A Ukrainian Armed Forces officer of the JCCC told the SMM that the convoy comprised members of the National Guard and police who were conducting a training exercise.

On the same day, the Mission [again](#) saw an anti-personnel mine (MON-90) about 1km north of the area's southern edge and about 20m west of road T-1316.

On 1 March, while positioned on the northern edge of the disengagement area to conduct a mini-unmanned aerial vehicle (UAV) flight, the SMM heard the sound of another UAV flying inside the area, about 200-300m south of its position.*

On 29 February and 1 March, the SMM saw members of the armed formations (wearing armbands with "JCCC" written on them) near the southern edge of the disengagement area.

Between the evenings of 25 and 27 February, the SMM camera in Petrivske (non-government-controlled, 41km south of Donetsk) recorded 32 projectiles in flight at an assessed range of 0.5-2km south-south-west, all assessed as inside **the disengagement area near Petrivske**.⁶

On the evening and night of 28-29 February, the SMM camera 2km east of Bohdanivka (government-controlled, 41km south-west of Donetsk) recorded 50 projectiles in flight at an assessed range of 2-4km east and east-south-east, and assessed as inside the disengagement area. On the following evening, the same camera recorded seven projectiles at an assessed range of 1-3km east and east-south-east, and assessed as inside the disengagement area; it also recorded three projectiles at an assessed range of 3-5km east-south-east (the SMM could not assess whether they occurred inside or outside the disengagement area). During the day on 1 March, while positioned at two locations near the disengagement area, the SMM heard two undetermined explosions and 29 bursts and shots of heavy-machine-gun and small-arms fire, all assessed as outside the disengagement area but within 5km of its periphery.

⁶ The delay in reporting is due to manual downloading of data from the SMM camera in Petrivske.

On 1 March, outside the disengagement area, the Mission saw five members of the armed formations in and near a trench dug across the road from Petrivske to Bohdanivka, about 200m north-west from the area's north-eastern edge.

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.

Beyond withdrawal lines but outside of designated storage areas, aerial imagery available to the Mission revealed the presence on 27 February of 18 tanks in a training area near Kruhlyk (non-government-controlled, 31km south-west of Luhansk).

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

The Mission observed infantry fighting vehicles and armoured personnel carriers in government-controlled areas, including in residential areas (for further details, see the table below).

On 29 February, the SMM saw a dark, fixed-wing UAV flying at an altitude of 400-500m near Lebedynske (government-controlled, 99km south of Donetsk).

On 1 March, the Mission saw a black, fixed-wing UAV flying at an altitude of about 800m near Zolote-5/Mykhailivka and a white UAV flying at an altitude of about 200m near Bohdanivka.

Anti-personnel mine near Molodizhne and pieces of unexploded ordnance in Donetsk city's Kyivskiy district

On 29 February, the Mission saw several pieces of explosive remnants of ammunition, assessed as parts from a multiple launch rocket system (*Grad*-type) and not recent, lying unfenced on the ground along Kyivskiy Avenue in the northern part of Donetsk city's Kyivskiy district (non-government-controlled).

On 1 March, the SMM [again](#) saw an anti-personnel mine (MON-200) near Molodizhne (non-government-controlled, 63km west of Luhansk), about 10m north-east of road T-0504, which is regularly used by the SMM.

SMM facilitation of demining and maintenance of critical civilian infrastructure

On 29 February, the Mission facilitated and monitored adherence to localized ceasefires to enable demining in Krasnyi Yar (non-government-controlled, 12km north-east of Luhansk). The SMM saw four de-miners from non-government-controlled areas conducting demining activities on both sides of a local road on the eastern edge of the settlement.

On 29 February and 1 March, the SMM continued to facilitate the operation of the Donetsk Filtration Station (DFS) (15km north of Donetsk). On the night of 28-29 February and on

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

the evening of 29 February, the SMM camera at the DFS recorded two undetermined explosions at an assessed range of 300-800m south-south-west of the station.

On 1 March, the Mission monitored the security situation in the area of the pumping station near Vasylivka (non-government-controlled, 20km north of Donetsk).

Border area outside government control

On 1 March, while at a border crossing point near Novoazovsk (102km south-east of Donetsk) for about 25 minutes, the SMM saw five cars (three with Ukrainian licence plates and two with “DPR” plates), five trucks (three covered cargo trucks and two tankers; two with Ukrainian licence plates and three with “DPR” plates) entering Ukraine. During the same period, the Mission saw eight cars (one with Ukrainian and one with Russian Federation licence plates, as well as six with “DPR” plates) and a covered cargo truck with “DPR” plates exiting Ukraine.

Security situation in south-east Kherson region

On 1 March, the Mission continued to monitor the security situation at the checkpoint between Chonhar (163km south-east of Kherson) and Crimea, and observed a calm situation.

The Mission 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 Package of Measures 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 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 28 February 2020](#)). 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 of access:

- On 29 February, at a checkpoint west of Verkhnohyrokiivske (formerly Oktiabr, non-government-controlled, 85km south of Donetsk), an armed member of the armed formations [again](#) denied the SMM passage, citing “an ongoing operation in the area”. While at the checkpoint, the SMM saw civilian traffic proceeding in both directions.
- On 29 February, at a checkpoint on the eastern edge of Starolaspa (non-government-controlled, 51km south of Donetsk), an armed member of the armed formations denied the SMM passage, citing “an ongoing operation in the area”. While at the checkpoint, the SMM saw civilian traffic proceeding in both directions.

- On 1 March, at a checkpoint north of Zaichenko (non-government-controlled, 93km south of Donetsk), an armed member of the armed formations denied the SMM passage towards Pikuzy (formerly Kominternove, non-government-controlled, 92km south of Donetsk) and Sakhanka (non-government-controlled, 97km south of Donetsk), citing “ongoing demining activities”. While present, the SMM observed a civilian vehicle passing through the checkpoint.
- On 1 March, at a checkpoint west of Bezimenne (non-government-controlled, 100km south of Donetsk), an armed member of the armed formations denied the SMM passage west, citing “orders from superiors”. While at the checkpoint, the SMM saw civilian traffic proceeding in both directions.
- On 1 March, about 1km north-east of Markyne (non-government-controlled, 94km south of Donetsk), two armed members of the armed formations stopped the SMM and denied it passage further west or back, citing “an ongoing special operation in the area”. While being denied passage, the SMM saw a civilian car pass through the checkpoint.

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.

Delays:

- On 1 March, at a checkpoint west of Verkhnohyrokiyske, an armed member of the armed formations allowed the SMM to proceed only after approximately 25 minutes of waiting.
- On 1 March, about 4.5km south-west of Markyne, two armed members of the armed formations stopped the SMM and allowed it to proceed only after approximately 45 minutes of waiting, citing “a search operation in the area”. While being delayed, the Mission saw civilian cars proceeding in both directions.

Other impediments:

- On 29 February, an SMM mini-UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying near Lebedynske (government-controlled, 99km south of Donetsk).⁸
- On 1 March, on four occasions, SMM mini-UAVs experienced GPS signal interference, assessed as caused by probable jamming, while flying near Karpaty (non-government-controlled, 35km west of Luhansk) and near Petrivka (non-government-controlled, 38km west of Luhansk).
- On 1 March, while positioned on the northern edge of the disengagement area near Zolote (government-controlled, 60km west of Luhansk), the SMM had to land its mini-UAV, which was flying inside the area, close to its position, after it had seen a non-SMM UAV flying over the area about 200-300m south-east of its position.

⁸ The interference could have originated from anywhere within the radius of kilometres from the UAVs’ positions.

Table of weapons

Beyond withdrawal lines but outside of designated storage sites

Date	No. of weapons	Type of weapon	Location	Source of observation
Non-government-controlled areas				
27/02/2020	18	Tank (type undetermined)	In a training area near Kruhlyk (31km south-west of Luhansk)	Aerial imagery

Table of military and military-type presence in the security zone⁹

Date	No.	Type	Location	Source of observation
Government-controlled areas				
28/02/2020	1	Infantry fighting vehicle (BMP-1)	In Taramchuk (29km south-west of Donetsk)	Mini-UAV
	1	Armoured recovery vehicle (BREM-Ch)		
	1	Armoured combat vehicle (BMP variant)		
	2	Armoured personnel carrier (one MT-LBu and one MT-LB S)		
	8	Infantry fighting vehicle (two BMP-2, four BMP-1 and two BMP variants)	Near Berezove (31km south-west of Donetsk)	
29/02/2020	About 60	Ukrainian Armed Forces personnel (at least six of them armed) and three military utility trucks and three buses with military registration plates.	In Muratove (51km north-west of Luhansk)	Patrol
1/03/2020	2	Armoured personnel carrier (a BTR-60 and a BTR-70)	Near Oknyne (53km north-west of Luhansk)	
Non-government-controlled areas				
1/03/2020	-	Freshly dug trench (25m)	North of Petrivske (41km south of Donetsk)	Patrol

⁹The 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 1 March 2020¹⁰

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	3-4km SE	Recorded	11	Projectile	NE to SW	N/K	28-Feb, 22:41
	3-4km SE	Recorded	12	Projectile	In vertical flight	N/K	28-Feb, 23:08
	3-4km SE	Recorded	11	Projectile	In vertical flight	N/K	28-Feb, 23:10
	3-4km SE	Recorded	5	Projectile	NE to SW	N/K	28-Feb, 23:10
SMM camera 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	2-4km ESE	Recorded	1	Projectile	NNW to SSE (assessed as inside the disengagement area)	N/K	28-Feb, 19:26
	2-4km ESE	Recorded	2	Projectile	In vertical flight (assessed as inside the disengagement area)	N/K	28-Feb, 19:32
	1-3km E	Recorded	4	Projectile	NNE to SSW (assessed as inside the disengagement area)	N/K	28-Feb, 21:02
	1-3km E	Recorded	5	Projectile	NNE to SSW (assessed as inside the disengagement area)	N/K	28-Feb, 21:51
	1-3km E	Recorded	4	Projectile	NNE to SSW (assessed as inside the disengagement area)	N/K	28-Feb, 22:34
	1-3km ESE	Recorded	2	Projectile	NNE to SSW (assessed as inside the disengagement area)	N/K	28-Feb, 22:34
	1-3km ESE	Recorded	9	Projectile	SSW to NNE (assessed as inside the disengagement area)	N/K	28-Feb, 23:58
	1-3km ESE	Recorded	9	Projectile	SSE to NNW (assessed as inside the disengagement area)	N/K	29-Feb, 03:01
	1-3km E	Recorded	5	Projectile	NNE to SSW (assessed as inside the disengagement area)	N/K	29-Feb, 03:16
	1-3km E	Recorded	4	Projectile	NNE to SSW (assessed as inside the disengagement area)	N/K	29-Feb, 03:51
	1-3km E	Recorded	5	Projectile	NNE to SSW (assessed as inside the disengagement area)	N/K	29-Feb, 05:08
	3-5km ESE	Recorded	3	Projectile	N to S (unable to assess whether inside or outside the disengagement area.)	N/K	29-Feb, 18:33
	SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	4-6km SE	Recorded	2	Projectile	NNE to SSW	N/K
4-6km SSE		Recorded	1	Illumination flare	In vertical flight	N/K	28-Feb, 20:11
4-6km SSE		Recorded	1	Illumination flare	In vertical flight	N/K	28-Feb, 20:35
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	28-Feb, 22:45
	2-4km SSW	Recorded	4	Explosion	Undetermined	N/K	28-Feb, 22:53
	400-800m SSW	Recorded	1	Explosion	Undetermined	N/K	29-Feb, 02:19
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	3-5km SSW	Recorded	6	Projectile	ESE to WNW	N/K	29-Feb, 18:44
	3-5km SSW	Recorded	1	Burst	ESE to WNW	N/K	29-Feb, 18:45
	3-5km SSW	Recorded	2	Projectile	ESE to WNW	N/K	29-Feb, 18:46
	3-5km SSW	Recorded	1	Burst	ESE to WNW	N/K	29-Feb, 18:46
	3-5km SSW	Recorded	1	Burst	ESE to WNW	N/K	29-Feb, 18:47
	3-5km SSW	Recorded	8	Projectile	ESE to WNW	N/K	29-Feb, 18:47
	3-5km SSW	Recorded	7	Projectile	ESE to WNW	N/K	29-Feb, 18:48
SMM camera at entry-exit checkpoint in Hnutove	2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	28-Feb, 20:11

¹⁰The table only includes ceasefire violations directly observed by the 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
(government-controlled, 84km S of Donetsk)	2-4km E	Recorded	5	Projectile	N to S	N/K	29-Feb, 03:34
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	1-2km NNE	Recorded	35	Projectile	W to E	N/K	28-Feb, 21:36
	1-2km NNE	Recorded	50	Projectile	W to E	N/K	28-Feb, 21:37
	1-2km NNE	Recorded	20	Projectile	W to E	N/K	28-Feb, 21:38
	1-3km N	Recorded	1	Projectile	NW to SE	N/K	29-Feb, 17:41
	1-3km N	Recorded	1	Projectile	NW to SE	N/K	29-Feb, 17:44
	1-3km N	Recorded	1	Projectile	NW to SE	N/K	29-Feb, 17:46
	1-3km N	Recorded	2	Projectile	NW to SE	N/K	29-Feb, 17:47
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	2-4km WSW	Recorded	1	Projectile	NW to SE	N/K	28-Feb, 22:08
	2-4km WSW	Recorded	1	Projectile	N to S	N/K	28-Feb, 22:13
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	28-Feb, 21:40
	2-4km NNE	Recorded	3	Explosion	Undetermined	N/K	28-Feb, 23:54
SMM camera in Petrivske (non-government-controlled, 41km S of Donetsk)	0.5-1.5km SSW	Recorded	3	Projectile	E to W (assessed as inside the disengagement area)	N/K	25-Feb, 19:09
	0.5-1.5km SSW	Recorded	1	Projectile	NE to SW (assessed as inside the disengagement area)	N/K	25-Feb, 19:38
	0.5-1.5km SSW	Recorded	1	Projectile	E to W (assessed as inside the disengagement area)	N/K	25-Feb, 20:09
	0.5-1.5km SSW	Recorded	3	Projectile	E to W (assessed as inside the disengagement area)	N/K	25-Feb, 20:47
	0.5-1.5km SSW	Recorded	4	Projectile	E to W (assessed as inside the disengagement area)	N/K	25-Feb, 22:12
	0.5-1.5km SSW	Recorded	4	Projectile	SE to NW (assessed as inside the disengagement area)	N/K	26-Feb, 02:01
	0.5-1.5km SSW	Recorded	1	Projectile	SSE to NNW (assessed as inside the disengagement area)	N/K	26-Feb, 02:32
	0.5-2km SSW	Recorded	3	Projectile	SE to NW (assessed as inside the disengagement area)	N/K	26-Feb, 18:28
	0.5-1.5km SSW	Recorded	1	Projectile	ESE to WNW (assessed as inside the disengagement area)	N/K	26-Feb, 21:18
	0.5-1.5km SSW	Recorded	2	Projectile	ESE to WNW (assessed as inside the disengagement area)	N/K	26-Feb, 22:59
	0.5-1.5km SSW	Recorded	1	Projectile	ESE to WNW (assessed as inside the disengagement area)	N/K	26-Feb, 23:54
	0.5-1.5km SSW	Recorded	4	Projectile	ESE to WNW (assessed as inside the disengagement area)	N/K	27-Feb, 00:58
	0.5-1km SSW	Recorded	1	Projectile	E to W (assessed as inside the disengagement area)	N/K	27-Feb, 20:11
	0.5-1km SSW	Recorded	1	Projectile	N to S (assessed as inside the disengagement area)	N/K	27-Feb, 20:59
	0.5-1km SSW	Recorded	2	Projectile	E to W (assessed as inside the disengagement area)	N/K	27-Feb, 21:00
	SE part of Avdiivka (government-controlled, 17km N of Donetsk)	2-3km NNW	Heard	10	Burst		HMG
2-3km NNW		Heard	8	Burst		HMG	29-Feb, 10:17
E part of Avdiivka (government-controlled, 17km N of Donetsk)	3-5km S	Heard	1	Explosion	Undetermined	N/K	29-Feb, 11:01
	3-5km S	Heard	1	Explosion	Undetermined	N/K	29-Feb, 11:03
	3-5km S	Heard	1	Explosion	Undetermined	N/K	29-Feb, 11:04
Krasnohorivka (government-controlled, 21km W of Donetsk)	2-3km NNE	Heard	3	Burst		Small arms	29-Feb, 09:20
About 800m NW of Vesele (non-government-	1km NW	Heard	3	Explosion	Undetermined	N/K	29-Feb, 11:02-11:11

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
controlled, 9km NW of Donetsk							
NW part of Novohryhorivka (non-government-controlled, 61km NE of Donetsk)	4-5km NW	Heard	1	Explosion	Undetermined	N/K	29-Feb, 08:53
About 4km NW of Debaltseve (non-government-controlled, 58km NE of Donetsk)	2-3km NW	Heard	3	Burst		HMG	29-Feb, 13:15
	5-6km NW	Heard	1	Explosion	Undetermined	N/K	29-Feb, 13:33
	5-6km NW	Heard	1	Explosion	Undetermined	N/K	29-Feb, 13:35
	5km NW	Heard	1	Explosion	Undetermined	N/K	29-Feb, 13:37
	5-6km N	Heard	1	Explosion	Undetermined	N/K	29-Feb, 13:42
	2-3km N	Heard	2	Shot		Small arms	29-Feb, 13:48
	2-3km N	Heard	1	Explosion	Undetermined	N/K	29-Feb, 13:55
	5-6km N	Heard	3	Explosion	Undetermined	N/K	29-Feb, 14:16
	5-6km N	Heard	2	Explosion	Undetermined	N/K	29-Feb, 14:30
Entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	2-3km ESE	Heard and saw	2	Explosion	Impact	N/K	29-Feb, 15:21
SW of Orlivske (government-controlled, 82km S of Donetsk)	3-4km NE	Heard	150	Burst		HMG	29-Feb, 11:29-11:42
	3-4km NE	Heard	5	Explosion	Undetermined	N/K	29-Feb, 11:29-11:42
	3-4km NE	Heard	102	Shot		Small arms	29-Feb, 11:43-12:00
4.5km NW of Novobakhmutivka (government-controlled, 28km N of Donetsk)	5km ESE	Heard	26	Explosion	Undetermined	N/K	29-Feb, 09:51-10:01
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-3km S	Heard	3	Burst		Small arms	28-Feb, 19:55
	4-6km S	Heard	1	Explosion	Undetermined	N/K	28-Feb, 21:43
	1-2km S	Heard	13	Burst		Small arms	28-Feb, 22:44-22:45
Horlivka (non-government-controlled, 39km NE of Donetsk)	5-7km SW	Heard	1	Explosion	Undetermined	N/K	28-Feb, 19:36
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	3-5km SSW	Recorded	1	Projectile	ESE to WNW	N/K	29-Feb, 04:02
	3-5km SW	Recorded	3	Projectile	ESE to WNW	N/K	29-Feb, 05:04
	3-5km SW	Recorded	2	Projectile	ESE to WNW	N/K	29-Feb, 05:05
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	4-6km ESE	Recorded	1	Explosion	Undetermined	N/K	28-Feb, 23:56
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	1-2km E	Recorded	1	Projectile	N to S (assessed as outside the disengagement area)	N/K	28-Feb, 21:11
	1-2km E	Recorded	4	Projectile	N to S (assessed as outside the disengagement area)	N/K	28-Feb, 21:54
	1-2km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	28-Feb, 21:54
	1-2km E	Recorded	3	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	28-Feb, 21:55
	1-2km E	Recorded	6	Projectile	N to S (assessed as outside the disengagement area)	N/K	28-Feb, 21:55
	1-2km E	Recorded	5	Projectile	N to S (assessed as outside the disengagement area)	N/K	28-Feb, 21:56
	1-2km E	Recorded	7	Projectile	N to S (assessed as outside the disengagement area)	N/K	28-Feb, 21:57
	1-2km E	Recorded	4	Projectile	N to S (assessed as outside the disengagement area)	N/K	28-Feb, 21:58

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	1-2km E	Recorded	1	Projectile	N to S (assessed as outside the disengagement area)	N/K	28-Feb, 22:01
	1-2km E	Recorded	1	Explosion	Assessed as outside the disengagement area	N/K	28-Feb, 22:01
	1-2km ENE	Recorded	1	Explosion	Assessed as outside the disengagement area	N/K	28-Feb, 22:01
	1-2km E	Recorded	1	Explosion	Undetermined(assessed as outside the disengagement area)	N/K	28-Feb, 22:02
	1-2km E	Recorded	3	Projectile	N to S (assessed as outside the disengagement area)	N/K	28-Feb, 22:02
	1-2km E	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	28-Feb, 22:43
	1-2km E	Recorded	1	Burst	In vertical flight (assessed as outside the disengagement area)	N/K	28-Feb, 22:43
	3-5km E	Recorded	1	Explosion	Undetermined(assessed as outside the disengagement area)	N/K	29-Feb, 18:00
N edge of Popasna (government-controlled, 69km W of Luhansk)	4-8km E	Heard	40	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	29-Feb, 06:15-06:26
Holubivske (non-government-controlled, 51km W of Luhansk)	4-6km W	Heard	1	Burst		HMG	29-Feb, 10:19-10:20
Sentianivka (formerly Frunze, non-government-controlled, 44km W of Luhansk)	6-8km N	Heard	6	Explosion	Undetermined	N/K	29-Feb, 11:15-11:16
W edge of Berezivske (non-government-controlled, 53km NW of Luhansk)	3-5km ESE	Heard	5	Shot		Small arms	29-Feb, 12:10
	2-3km N	Heard	1	Shot		Small arms	29-Feb, 12:16
NE edge of Katerynivka (government-controlled, 64km W of Luhansk)	5-10km E	Heard	3	Explosion	Undetermined	N/K	29-Feb, 13:11
S edge of disengagement area near Zolote (60km west of Luhansk)	3-5km NNE	Heard	7	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	29-Feb, 13:48-14:00
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	4-6km SE	Recorded	1	Explosion	Undetermined	N/K	1-Mar, 02:34
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-4km ESE	Recorded	3	Projectile	WSW to ENE	N/K	29-Feb, 22:12
	2-4km ESE	Recorded	3	Projectile	WSW to ENE	N/K	1-Mar, 00:32
SMM camera 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	1-3km ESE	Recorded	6	Projectile	SSW to NNE (assessed as inside the disengagement area)	N/K	29-Feb, 20:10
	1-3km E	Recorded	1	Projectile	NNE to SSW (assessed as inside the disengagement area)	N/K	29-Feb, 20:19
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	2-4km SSE	Recorded	1	Projectile	NE to SW	N/K	1-Mar, 04:12
	2-4km SSE	Recorded	1	Projectile	In vertical flight	N/K	1-Mar, 04:12
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	300-700m SSW	Recorded	1	Explosion	Undetermined	N/K	29-Feb, 21:37

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera at entry-exit checkpoint in Hnutove (government-controlled, 84km S of Donetsk)	1-3km E	Recorded	1	Projectile	N to S	N/K	1-Mar, 01:42
	1-3km E	Recorded	2	Projectile	N to S	N/K	1-Mar, 01:43
SMM camera in Krasnohorivka (government-controlled, 21km W of Donetsk)	3-5km SE	Recorded	10	Explosion	Airburst	N/K	29-Feb, 21:25
	3-5km SE	Recorded	2	Explosion	Airburst	N/K	29-Feb, 21:26
	3-5km SE	Recorded	2	Explosion	Airburst	N/K	29-Feb, 21:27
	3-5km SE	Recorded	1	Explosion	Airburst	N/K	29-Feb, 21:28
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	1-3km WSW	Recorded	1	Explosion	Undetermined	N/K	29-Feb, 20:41
	1-3km WSW	Recorded	1	Explosion	Undetermined	N/K	29-Feb, 20:43
	1-3km WSW	Recorded	1	Projectile	NNE to SSW	N/K	29-Feb, 21:12
	1-3km WSW	Recorded	1	Muzzle flash		N/K	29-Feb, 21:15
	1-3km WSW	Recorded	1	Projectile	NNE to SSW (subsequent to the previous event)	N/K	29-Feb, 21:15
	1-3km W	Recorded	1	Projectile	S to N	N/K	29-Feb, 21:16
	1-3km WSW	Recorded	1	Explosion	Undetermined	N/K	29-Feb, 21:16
	1-3km WSW	Recorded	1	Projectile	SSE to NNW	N/K	29-Feb, 21:17
	1-3km WSW	Recorded	1	Projectile	NE to SW	N/K	29-Feb, 21:17
	1-3km WSW	Recorded	3	Explosion	Undetermined	N/K	29-Feb, 21:17
	1-3km WSW	Recorded	3	Explosion	Undetermined	N/K	29-Feb, 21:18
	1-3km WSW	Recorded	6	Explosion	Undetermined	N/K	29-Feb, 21:19
	1-3km WSW	Recorded	2	Explosion	Undetermined	N/K	29-Feb, 21:20
	1-3km WSW	Recorded	1	Explosion	Undetermined	N/K	29-Feb, 21:22
	1-3km W	Recorded	1	Projectile	SSE to NNW	N/K	29-Feb, 21:23
	1-3km WSW	Recorded	2	Explosion	Undetermined	N/K	29-Feb, 21:24
	1-3km W	Recorded	1	Projectile	S to N	N/K	29-Feb, 21:24
	1-3km WSW	Recorded	1	Explosion	Undetermined	N/K	29-Feb, 21:25
	1-3km WSW	Recorded	3	Muzzle flash		N/K	29-Feb, 21:25
	1-3km WSW	Recorded	1	Projectile	NNW to SSE	N/K	29-Feb, 21:25
	1-3km WSW	Recorded	2	Explosion	Undetermined	N/K	29-Feb, 21:26
	1-3km WSW	Recorded	3	Muzzle flash		N/K	29-Feb, 21:27
	1-3km W	Recorded	2	Projectile	SSE to NNW	N/K	29-Feb, 21:27
	1-3km WNW	Recorded	1	Explosion	Impact (subsequent to the previous event)	N/K	29-Feb, 21:27
	1-3km WSW	Recorded	4	Muzzle flash		N/K	29-Feb, 21:28
	1-3km W	Recorded	1	Projectile	SSE to NNW	N/K	29-Feb, 21:28
	1-3km WSW	Recorded	2	Explosion	Undetermined	N/K	29-Feb, 21:29
	1-3km WNW	Recorded	1	Projectile	NNE to SSW	N/K	29-Feb, 21:33
	1-3km WNW	Recorded	1	Projectile	S to N	N/K	29-Feb, 21:37
	1-3km WSW	Recorded	1	Muzzle flash		N/K	29-Feb, 21:55
	1-3km WSW	Recorded	1	Projectile	NNW to SSE (subsequent to the previous event)	N/K	29-Feb, 21:55
	1-3km WSW	Recorded	1	Projectile	N to S	N/K	29-Feb, 22:01
	1-3km WSW	Recorded	1	Explosion	Undetermined	N/K	29-Feb, 22:10
1-3km WSW	Recorded	5	Explosion	Undetermined	N/K	29-Feb, 22:11	
1-3km WSW	Recorded	2	Explosion	Undetermined	N/K	29-Feb, 22:14	
1-3km WSW	Recorded	1	Projectile	NE to SW	N/K	29-Feb, 22:16	
1-3km WSW	Recorded	2	Explosion	Undetermined	N/K	29-Feb, 23:24	
1-3km W	Recorded	2	Projectile	SSE to NNW	N/K	1-Mar, 00:05	
1-3km WNW	Recorded	1	Projectile	SSE to NNW	N/K	1-Mar, 00:07	
1-3km W	Recorded	6	Projectile	SSE to NNW	N/K	1-Mar, 00:07	
1-3km W	Recorded	10	Projectile	SSE to NNW	N/K	1-Mar, 00:08	

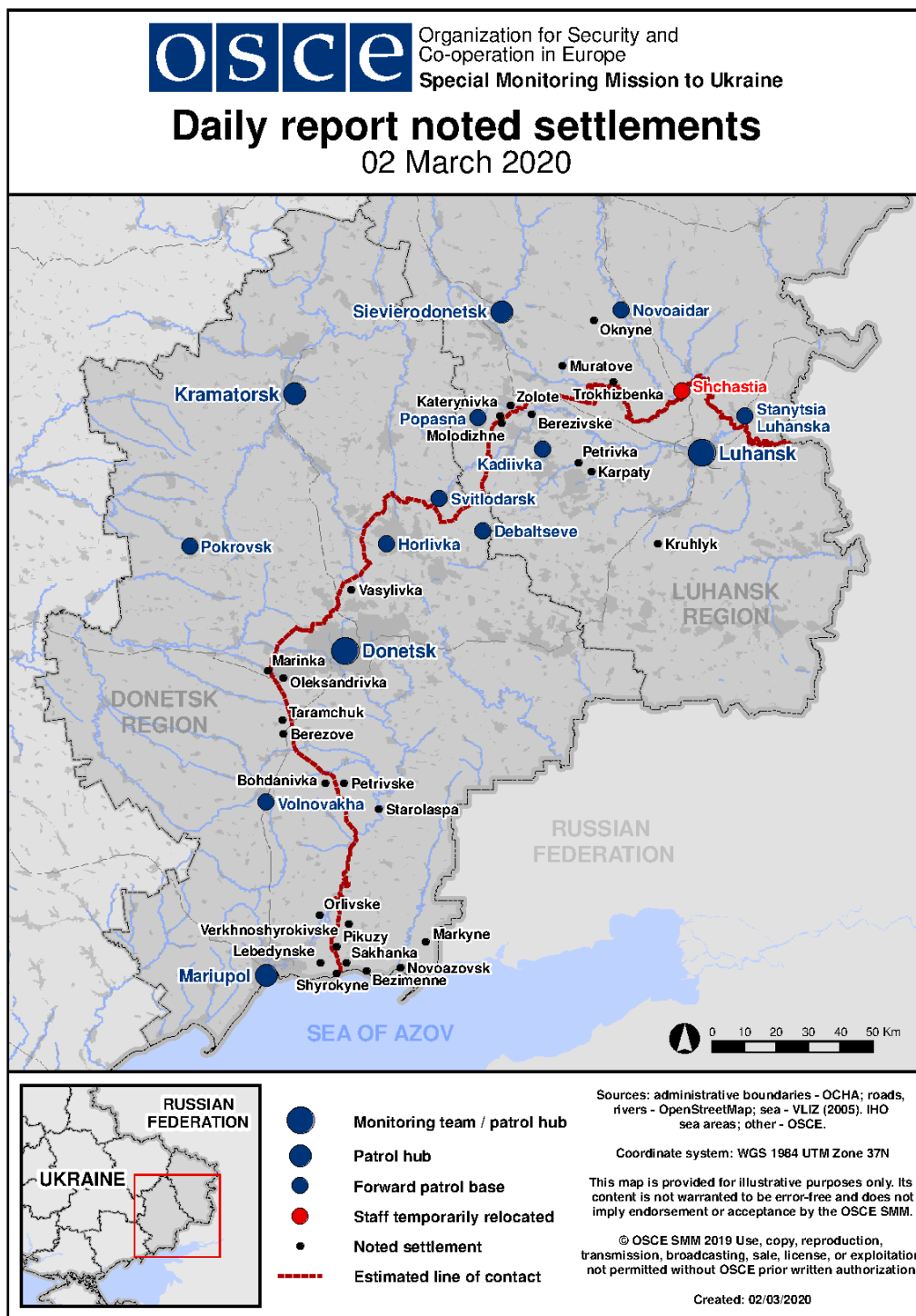
SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	1-3km W	Recorded	2	Projectile	SSE to NNW	N/K	1-Mar, 00:11
	1-3km WSW	Recorded	1	Projectile	NE to SW	N/K	1-Mar, 00:14
	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	29-Feb, 20:51
	2-4km NE	Recorded	5	Projectile	W to E	N/K	1-Mar, 01:35
	3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	1-Mar, 18:47
	2-4km NNE	Recorded	4	Projectile	In vertical flight	N/K	29-Feb, 19:04
	4-6km N	Recorded	1	Projectile	ESE to WNW	N/K	29-Feb, 21:01
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	29-Feb, 21:02
	4-6km N	Recorded	2	Explosion	Undetermined	N/K	29-Feb, 21:04
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	29-Feb, 21:15
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	29-Feb, 21:22
	4-6km N	Recorded	2	Projectile	ESE to WNW	N/K	29-Feb, 21:28
	4-6km N	Recorded	1	Projectile	E to W	N/K	29-Feb, 21:31
	4-6km N	Recorded	7	Projectile	ESE to WNW	N/K	29-Feb, 22:17
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	29-Feb, 22:20
	4-6km N	Recorded	1	Projectile	E to W	N/K	29-Feb, 22:37
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	29-Feb, 22:43
	6-8km N	Recorded	1	Illumination flare	In vertical flight	N/K	29-Feb, 23:07
	6-8km N	Recorded	1	Explosion	Undetermined	N/K	29-Feb, 23:07
	4-6km N	Recorded	1	Projectile	SW to NE	N/K	29-Feb, 23:13
	4-6km N	Recorded	3	Projectile	E to W	N/K	1-Mar, 02:43
	4-6km N	Recorded	2	Projectile	E to W	N/K	1-Mar, 02:44
	4-6km N	Recorded	8	Projectile	E to W	N/K	1-Mar, 02:45
	4-6km N	Recorded	3	Projectile	E to W	N/K	1-Mar, 02:46
	4-6km N	Recorded	3	Projectile	E to W	N/K	1-Mar, 02:47
	4-6km N	Recorded	1	Projectile	E to W	N/K	1-Mar, 02:48
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	1-Mar, 02:48
	4-6km N	Recorded	5	Projectile	E to W	N/K	1-Mar, 02:50
	4-6km N	Recorded	3	Projectile	E to W	N/K	1-Mar, 02:51
	4-6km N	Recorded	6	Projectile	E to W	N/K	1-Mar, 02:52
	4-6km N	Recorded	1	Projectile	E to W	N/K	1-Mar, 02:57
	4-6km N	Recorded	1	Projectile	E to W	N/K	1-Mar, 02:58
	4-6km N	Recorded	5	Projectile	E to W	N/K	1-Mar, 03:09
	4-6km N	Recorded	2	Explosion	Undetermined	N/K	1-Mar, 03:17
	4-6km N	Recorded	3	Projectile	E to W	N/K	1-Mar, 04:05
	4-6km N	Recorded	3	Projectile	E to W	N/K	1-Mar, 04:06
	4-6km N	Recorded	7	Projectile	E to W	N/K	1-Mar, 04:07
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	1-Mar, 04:08
	4-6km N	Recorded	5	Projectile	E to W	N/K	1-Mar, 04:08
	4-6km N	Recorded	6	Projectile	E to W	N/K	1-Mar, 04:09
	4-6km N	Recorded	7	Projectile	E to W	N/K	1-Mar, 04:10
	4-6km N	Recorded	14	Projectile	E to W	N/K	1-Mar, 04:11
	4-6km N	Recorded	5	Projectile	E to W	N/K	1-Mar, 04:12
	4-6km N	Recorded	2	Explosion	Undetermined	N/K	1-Mar, 04:13
	4-6km N	Recorded	4	Projectile	E to W	N/K	1-Mar, 04:14
	4-6km N	Recorded	2	Projectile	E to W	N/K	1-Mar, 04:17
	4-6km N	Recorded	2	Explosion	Undetermined	N/K	1-Mar, 04:19
	4-6km N	Recorded	33	Projectile	E to W	N/K	1-Mar, 04:39
	4-6km N	Recorded	5	Projectile	E to W	N/K	1-Mar, 04:40
	4-6km N	Recorded	6	Projectile	In vertical flight	N/K	1-Mar, 04:43
4-6km N	Recorded	1	Projectile	In vertical flight	N/K	1-Mar, 04:44	
4-6km N	Recorded	1	Explosion	Undetermined	N/K	1-Mar, 17:58	
4-6km N	Recorded	1	Explosion	Undetermined	N/K	1-Mar, 18:02	
4-6km N	Recorded	1	Projectile	In vertical flight	N/K	1-Mar, 18:10	
4-6km N	Recorded	1	Explosion	Undetermined	N/K	1-Mar, 18:13	
4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	1-Mar, 18:49	

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	4-6km N	Recorded	1	Explosion	Undetermined (subsequent to previous event)	N/K	1-Mar, 18:49
	4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	1-Mar, 18:50
	4-6km N	Recorded	2	Projectile	WSW to ENE	N/K	1-Mar, 18:54
	4-6km N	Recorded	2	Explosion	Undetermined (subsequent to previous event)	N/K	1-Mar, 18:54
	4-6km N	Recorded	2	Projectile	WSW to ENE	N/K	1-Mar, 18:57
	4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	1-Mar, 18:58
	4-6km N	Recorded	11	Projectile	ESE to WNW	N/K	1-Mar, 18:59
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km SW	Heard	2	Shot		Small arms	1-Mar, 09:30
	2-3km SW	Heard	1	Shot		Small arms	1-Mar, 09:32
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	1-2km SSE	Heard	3	Explosion	Undetermined	N/K	1-Mar, 09:30-09:35
About 3km NW of Marinka (government-controlled, 23km SW of Donetsk)	2-4km SE	Heard	1	Shot		Small arms	1-Mar, 11:11
	2-4km ESE	Heard	1	Explosion	Undetermined	N/K	1-Mar, 11:13
Krasnohorivka (government-controlled, 21km W of Donetsk)	1-2km ESE	Heard	7	Shot		Small arms	1-Mar, 11:02-11:20
	4-5km ESE	Heard	2	Explosion	Undetermined	N/K	1-Mar, 11:02-11:20
About 3km SE of Pervomaiske (government-controlled, 17km NW of Donetsk)	1-2km WSW	Heard	1	Shot		Small arms	1-Mar, 09:22
	1-2km WSW	Heard	1	Burst		Small arms	1-Mar, 09:12
	2-3km E	Heard	1	Explosion	Undetermined	N/K	1-Mar, 09:59
About 4km NW of Debaltseve (non-government-controlled, 58km NE of Donetsk)	5-6km N	Heard	2	Explosion	Undetermined	N/K	1-Mar, 14:10
About 2km N of Petrivske (non-government-controlled, 41km S of Donetsk)	2km E	Heard	5	Shot	Assessed as outside the disengagement area	Small arms	1-Mar, 08:50
	4-5km S	Heard	10	Burst	Assessed as outside the disengagement area	HMG	1-Mar, 08:59
About 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	3km S	Heard	3	Burst	Assessed as outside the disengagement area near Petrivske	Small arms	1-Mar, 09:00
	3-4km SE	Heard	10	Burst	Assessed as outside the disengagement area near Petrivske	Small arms	1-Mar, 09:47-09:50
	3-4km SE	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	1-Mar, 09:47-09:50
	3km S	Heard	1	Burst	Assessed as outside the disengagement area near Petrivske	Small arms	1-Mar, 10:31
Svitlodarsk (government-controlled, 57km NE of Donetsk)	1-2km E	Heard	8	Burst		Small arms	29-Feb, 21:58
	1-2km E	Heard	3	Burst		Small arms	29-Feb, 22:33
	1-2km E	Heard	4	Burst		Small arms	29-Feb, 23:18
	N/K SSW	Heard	20	Explosion	Undetermined	N/K	1-Mar, 08:02-08:04
	2-4km SSW	Heard	11	Burst		HMG	1-Mar, 08:10-08:12
	1-2km SW	Heard	10	Shot		Small arms	1-Mar, 09:30

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	2-3km SW	Heard	15	Burst		Small arms	1-Mar, 09:32
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	1-Mar, 14:03-14:05
	3-5km SW	Heard	7	Burst		HMG	1-Mar, 14:03-14:05
	3-5km SE	Heard	10	Explosion		N/K	1-Mar, 15:40-15:50
Horlivka (non-government-controlled, 39km NE of Donetsk)	5-7km W	Heard	4	Explosion	Undetermined	N/K	1-Mar, 07:36
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	3-5km SSW	Recorded	1	Explosion	Undetermined	N/K	29-Feb, 19:42
	3-5km SSW	Recorded	3	Projectile	WNW to ESE	N/K	29-Feb, 19:42
	2-4km SSW	Recorded	2	Projectile	WNW to ESE	N/K	29-Feb, 20:16
	2-4km SSW	Recorded	2	Projectile	WNW to ESE	N/K	29-Feb, 20:17
	2-4km SSW	Recorded	1	Projectile	WNW to ESE	N/K	29-Feb, 20:18
	2-4km SSW	Recorded	1	Projectile	WNW to ESE	N/K	29-Feb, 20:21
	2-4km SSW	Recorded	4	Projectile	WNW to ESE	N/K	29-Feb, 20:23
	2-4km SSW	Recorded	3	Projectile	WNW to ESE	N/K	29-Feb, 20:46
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	29-Feb, 20:46
	2-4km SSW	Recorded	2	Muzzle flash		N/K	29-Feb, 20:47
	2-4km SSW	Recorded	10	Projectile	WNW to ESE (subsequent to the previous event)	N/K	29-Feb, 20:47
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	29-Feb, 20:47
	2-4km SSW	Recorded	3	Muzzle flash		N/K	29-Feb, 20:48
	2-4km SSW	Recorded	10	Projectile	WNW to ESE (subsequent to the previous event)	N/K	29-Feb, 20:48
	2-4km SSW	Recorded	2	Explosion	Undetermined	N/K	29-Feb, 20:48
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	29-Feb, 20:48
	2-4km SSW	Recorded	15	Projectile	WNW to ESE	N/K	29-Feb, 20:49
	2-4km SSW	Recorded	11	Projectile	WNW to ESE	N/K	29-Feb, 20:50
	2-4km SSW	Recorded	3	Explosion	Undetermined	N/K	29-Feb, 20:50
	2-4km SSW	Recorded	7	Projectile	WNW to ESE	N/K	29-Feb, 20:51
	2-4km SSW	Recorded	7	Projectile	WNW to ESE	N/K	29-Feb, 20:52
	2-4km SSW	Recorded	2	Explosion	Undetermined	N/K	29-Feb, 20:52
	2-4km SSW	Recorded	5	Projectile	WNW to ESE	N/K	29-Feb, 20:53
	2-4km SSW	Recorded	2	Explosion	Undetermined	N/K	29-Feb, 20:53
	2-4km SSW	Recorded	7	Projectile	WNW to ESE	N/K	29-Feb, 20:54
	2-4km SSW	Recorded	2	Explosion	Undetermined	N/K	29-Feb, 20:54
	2-4km SSW	Recorded	3	Projectile	WNW to ESE	N/K	29-Feb, 20:56
	2-4km SSW	Recorded	9	Projectile	WNW to ESE	N/K	29-Feb, 20:58
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	29-Feb, 20:58
	2-4km SSW	Recorded	9	Projectile	WNW to ESE	N/K	29-Feb, 20:59
	2-4km SSW	Recorded	18	Projectile	WNW to ESE	N/K	29-Feb, 21:00
	2-4km SSW	Recorded	7	Projectile	WNW to ESE	N/K	29-Feb, 21:01
	3-5km SSW	Recorded	7	Projectile	WNW to ESE	N/K	1-Mar, 18:45
3-5km SSW	Recorded	4	Projectile	WNW to ESE	N/K	1-Mar, 18:45	
3-5km SSW	Recorded	10	Projectile	WNW to ESE	N/K	1-Mar, 18:48	
SMM camera at Prince Ihor Monument SE of Stanytsia Luhanska bridge (15km NE of Luhansk)	1.7-2.3km NNW	Recorded	1	Explosion	Undetermined (unable to assess whether inside or outside the disengagement area)	N/K	1-Mar, 03:10
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	1-2km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	1-Mar, 01:02
	1-2km E	Recorded	1	Burst	N to S (assessed as outside the disengagement area)	N/K	1-Mar, 04:43
	1-2km E	Recorded	16	Projectile	In vertical flight (assessed as outside the disengagement area)	N/K	1-Mar, 04:43
E edge of Stanytsia Luhanska (government-	0.7-1.5km SSE	Heard	15	Shot		Small arms	1-Mar, 04:43-04:44

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
controlled, 16km NE of Luhansk)							
N edge of Popasna(government-controlled, 69km W of Luhansk)	4-10km SE	Heard	62	Explosion	Undetermined	N/K	1-Mar, 06:34-06:58
SE edge of Popasna (government-controlled, 69km W of Luhansk)	3-5km E	Heard	40	Burst		Small arms	1-Mar, 10:09-10:15
E edge of Popasna (government-controlled, 69km W of Luhansk)	3-5km E	Heard	24	Burst		Small arms	1-Mar, 10:53
1.5km SW of Molodizhne (non-government-controlled, 63km W of Luhansk)	3-4km SSE	Heard	10	Burst		Small arms	1-Mar, 10:09-10:15
N edge of Trokhizbenka (government-controlled, 32km NW of Luhansk)	8-10km SSW	Heard	7	Explosion	Undetermined	N/K	1-Mar, 11:34-11:40

Map of Donetsk and Luhansk regions¹¹



¹¹ 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 has 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 patrols in this settlement during daylight hours, as well).