



# Daily Report 54/2020

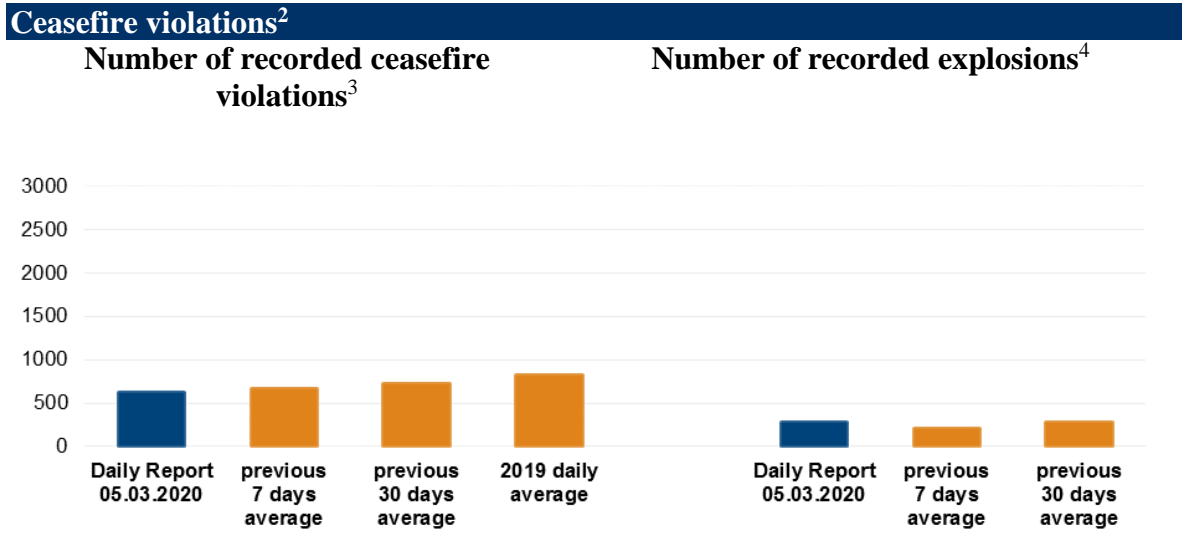
5 March 2020<sup>1</sup>

## Summary

- Compared with the previous reporting period, the SMM recorded more ceasefire violations in both Donetsk and Luhansk regions.
- The SMM saw close to its patrol a probable explosive device on a road near non-government-controlled Zaichenko, Donetsk region.
- It corroborated reports of three cases of civilians injured by shelling in Krasnohorivka and Dokuchaievsk.
- The Mission continued to monitor the disengagement areas near Stanytsia Luhanska and Zolote, it recorded ceasefire violations inside the Petrivske disengagement area.
- It saw weapons in violation of withdrawal lines on both sides of the contact line in Luhansk region.
- The SMM saw craters in Luhansk region near Orikhove and Holubivske and in Donetsk region near Staromykhailivka.
- It saw anti-tank mines near Staromykhailivka, Krasnohorivka, Marinka, Pisky and Styla, including some within residential areas.
- The Mission's freedom of movement continued to be restricted, including at a checkpoint of the armed formations in Staromykhailivka and near a border crossing point close to non-government-controlled Leonove.

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<sup>1</sup> Based on information from the Monitoring Teams as of 19:30, 4 March 2020. All times are in Eastern European Time.

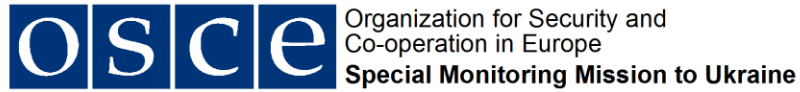


<sup>2</sup> For a complete breakdown of ceasefire violations, please see the annexed table.

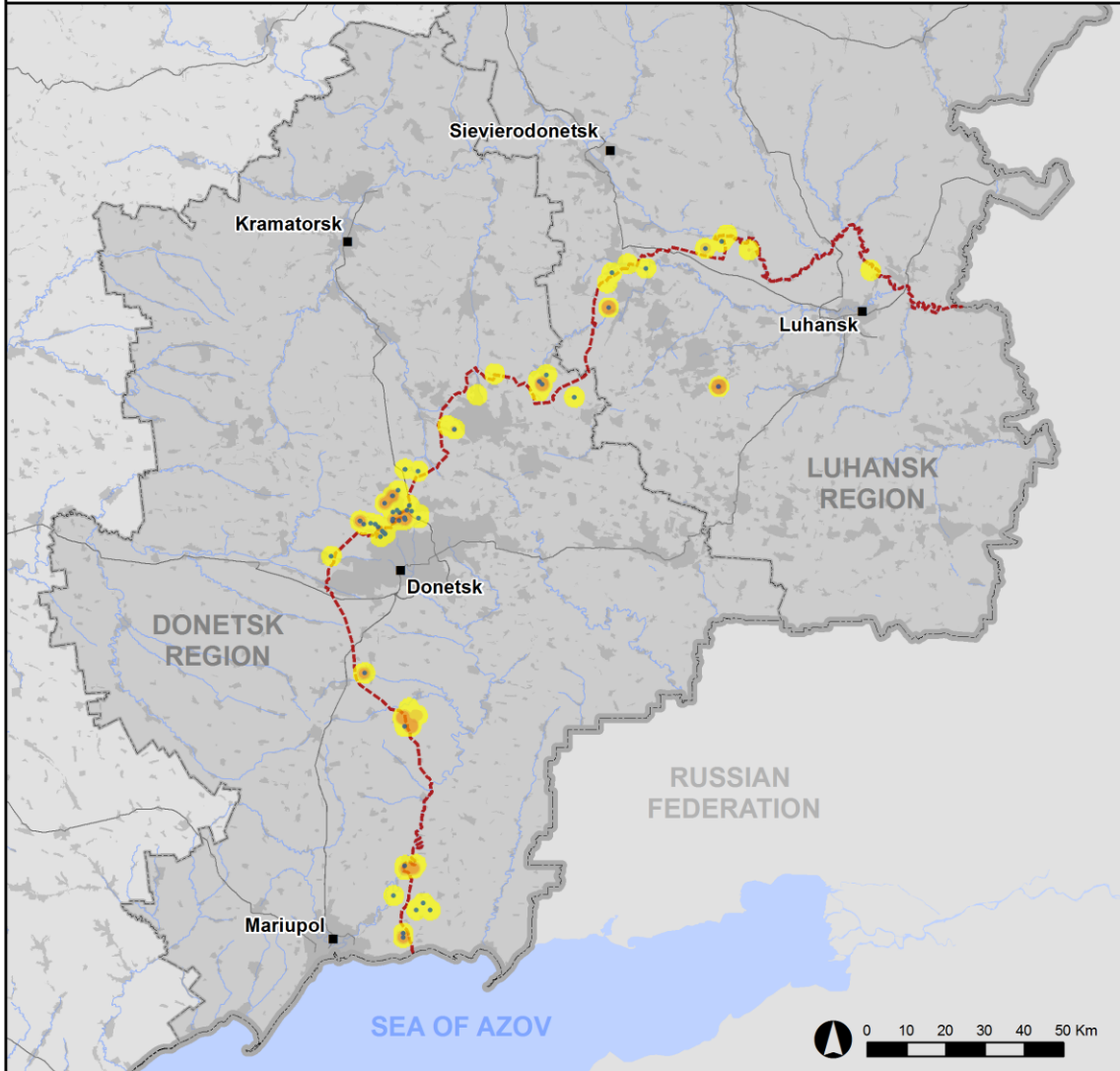
<sup>3</sup> Including explosions.

<sup>4</sup> Including from unidentified weapons.

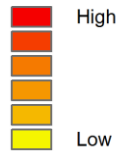
### Map of recorded ceasefire violations



## Ceasefire violations observed by the SMM 4 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: 05/03/2020

In Donetsk region, the SMM recorded more ceasefire violations, including, however, fewer explosions (about 210), compared with the [previous reporting period](#) (about 230 explosions). The majority of ceasefire violations were recorded in areas south-east of Svitlodarsk (government-controlled, 57km north-east of Donetsk), in areas close to the disengagement area near Petrivske (non-government-controlled, 40km south-east of Donetsk) (see below) and at southerly and south-westerly directions of Avdiivka (government-controlled, 17km north of Donetsk).

In Luhansk region, the SMM recorded more ceasefire violations, including more explosions (70), compared with the [previous reporting period](#) (50 explosions). The majority of ceasefire violations, including almost all explosions, were recorded in areas south-west of Malokostiantynivka (non-government-controlled, 33km south-west of Luhansk) (assessed as live-fire exercise outside the security zone) and south-west of the disengagement area near Zolote (government-controlled, 60km west of Luhansk) (see below).

### **Probable explosive device seen close to the SMM on road near Zaichenko**

On 4 March, the SMM saw an object lying about 10m from its vehicle on the southern shoulder of a local road regularly used by civilians, about 2.5km north-east of Zaichenko (non-government-controlled, 93km south of Donetsk). It assessed the object, which was partially covered by gravel, as a probable explosive device or landmine with an upper metal reinforced plate. The SMM patrol waited about 25 minutes for a demining team from non-government-controlled areas to remove the metal plate before heading back to its base.

### **Two women and a man injured by shelling in Krasnohorivka and Dokuchaievsk**

On 4 March, at a hospital in Krasnohorivka (government-controlled, 21km north of Donetsk), the SMM saw a woman (74 years old) with injuries to her left eye. Medical staff told the Mission that the woman had been admitted on 2 March with an eye injury and a concussion caused by shelling, which caused her windows to shatter and sent glass shards flying into her eyes. The woman told the SMM that in the early morning hours of 2 March, while in her kitchen at 18 Pershoho Travnia Street in Krasnohorivka, she had heard an explosion coming from her yard and a second one in her neighbour's yard (about 10m away from her house). She added that she had sustained injuries from the shattered glass. A neighbour (a man in his sixties) told the SMM that shelling had occurred on the morning of 2 March and that he had seen an explosion in the backyard of the aforementioned woman.

On 4 March, at the hospital in Dokuchaievsk (non-government-controlled, 30km south-west of Donetsk), the SMM saw a man (in his fifties) with light injuries on his hands and face, and a woman (in her thirties) with light injuries on the right side of her face and a bandaged right wrist. Medical staff told the SMM that the woman had been admitted earlier during the day with shrapnel injuries and a contusion. The man told the SMM that around noon on the same day, while he had been driving a minivan back from the city center of Dokuchaievsk with his wife, he had heard a projectile hitting the right side of his vehicle, about 150m from their home at 3 Hrybna Street on the southern outskirts of the town. He added that his wife, who had been sitting in the front right passenger seat, had been taken to the hospital by ambulance while he had later driven himself. The incident occurred less than 1km from the contact line.

At the parking of the hospital, the Mission saw a minivan with a right cargo door blown into the cabin and crumpled up, a front right passenger door bent in with its two windows missing as well as side panels bent out on the left side of the vehicle. All damage was assessed as fresh and caused by a round of an undetermined weapon.

### Disengagement areas near Stanytsia Luhanska, Zolote and Petrivske<sup>5</sup>

On 3 March, about 150m south-east of the the **disengagement area near Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk), an SMM mini-unmanned aerial vehicle (UAV) [again](#) spotted an anti-aircraft-gun (ZU-23, 23mm), assessed as belonging to the armed formations.

During the day on 4 March, the SMM observed a calm situation in the Stanytsia Luhanska disengagement area. Throughout the day, it saw seven members of the armed formations (wearing armbands with “JCCC” written on them) between the new span of the Stanytsia Luhanska bridge (15km north-east of Luhansk) and their checkpoint south of it.

On 1 March, inside the **disengagement area near Zolote**, an SMM mini-UAV [again](#) spotted at least 300 mines, assessed as belonging to the armed formations, on either side of road T-1316, about 500m north of the area’s southern edge. The same day, an SMM mini-UAV spotted a person in camouflage clothing and another person in dark blue uniform, assessed as most likely a police officer, approximately 80m south of the area’s north-western edge.

On 4 March, the SMM camera in Zolote recorded a projectile in flight at an assessed range of 3-4km east (assessed as outside the disengagement area near Zolote but within 5km of its periphery). The same day, while positioned at two locations near the disengagement area, the Mission heard an undetermined explosion and a burst of heavy-machine-gun fire (both assessed as outside the area but within 5km of its periphery). While positioned in Molodizhne (non-government-controlled, 63km north-west of Luhansk), it heard an undetermined explosion at an assessed range of 2-3km north-north-east (unable to determine whether inside or outside the disengagement area).

On the same day, the SMM saw four de-miners of the State Emergency Service of Ukraine walking inside the disengagement area, reportedly to conduct demining activities in Katerynivka (government-controlled, 64km west of Luhansk) (see below). Throughout the day, the SMM saw six members of the armed formations (wearing armbands with “JCCC” written on them) on the southern edge of the disengagement area.

On 2 March, the SMM camera in Petrivske (non-government-controlled, 41km south of Donetsk) recorded two projectiles in flight and 43 muzzle flashes, all at an assessed range of 1-2km south-south-west and south-west (all assessed as inside the **disengagement area near Petrivske**).<sup>6</sup> On 4 March, while in Bohdanivka (government-controlled, 41km south-west of Donetsk), the SMM heard an undetermined explosion 2km south-east assessed as inside the disengagement area.

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

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

On 4 March, while positioned at two locations near the disengagement area, the SMM heard an undetermined explosion and about 60 bursts and shots of small-arms fire (all assessed as outside the area but within 5km of its periphery).

On the same day, the SMM saw a fire in the field south of Petrivske spreading northwards.

### **Presence of craters near Orikhove, Holubivske and Staromykhailivka**

On 1 March, aerial imagery available to the SMM revealed the presence of a total of about 390 craters, assessed as impacts from undetermined weapon systems, in fields in government-controlled areas east and south-east of Orikhove (57km north-west of Luhansk), south-east of Novotoshkivske (53km west of Luhansk) and south-west of Krymske (42km north-west of Luhansk). The same imagery also revealed the presence of a total of about 90 craters, assessed as impacts from undetermined weapon systems, in non-government-controlled areas west of Holubivske (51km west of Luhansk), north-west of Donetsk (49km west of Luhansk) and south and east of Zholobok (47km west of Luhansk). All the abovementioned craters were not visible in imagery from 24 November 2019 and were located in the same area where the SMM recorded a spike in the number of ceasefire violations on 18 February (see [SMM Spot Report 18 February](#) and [SMM Daily Report 19 February](#)).

The same imagery revealed the presence of two armoured combat vehicles (ACV) and a tank (type undetermined) near Novotoshkivske and three ACVs south-east of Orikhove.

On 1 March, an SMM mid-range UAV spotted eight impact craters near trenches within a residential area south of Staromykhailivka (non-government-controlled, 15km west of Donetsk) (not seen in imagery of 15 November 2019) and a crater in a field further north-west of it (not seen in imagery of 2 January 2020), all assessed as recent.

### **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.

The SMM observed eight weapons in violation of withdrawal lines on both sides of the contact line in Luhansk region (for more information, see the table below).

### **Weapons storage sites<sup>7</sup>**

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

4 March

The SMM noted that a tank (T-72) and a mortar (2B14 *Podnos*, 82mm) were observed missing for the first time. It also saw that ten tanks (three T-72 and seven T-64) continued to be missing.

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<sup>7</sup> The SMM noted that one such site continued to be abandoned .

## Indications of military and military-type presence in the security zone<sup>8</sup>

The Mission observed armoured combat vehicles on both sides of the contact line in both Donetsk and Luhansk regions (for further details, see the table below).

On 2 March, an SMM mid-range UAV spotted a probable infantry fighting vehicle (BMP variant) about 1km south-east of the Petrivske disengagement area. About 2km north of Petrivske and within a position of the armed formations, the same UAV spotted eight boxes of probable multiple launch rocket system (BM-21 *Grad*, 122mm) ammunition (unable to be assessed as full or empty).

## Mines near Staromykhailivka, Krasnohorivka, Marinka, Pisky and Styla

On 1 March, about 1km north of Staromykhailivka, an SMM mid-range UAV again spotted about 200 anti-tank mines in four locations in fields adjacent to and on the sides of a road running towards Krasnohorivka. On the western outskirts of Staromykhailivka, the same UAV spotted for the first time 20 anti-tank mines in a field about 200m south of a road running towards Krasnohorivka and, laid across the same road, the UAV again spotted about 40 anti-tank mines. All of the mines were assessed as belonging to the armed formations.<sup>9</sup>

At five locations 0.6-2km west and south-east of the previously-mentioned mines, the same UAV again spotted at least 550 anti-tank mines laid across local roads and in adjacent fields. All of the mines were assessed as belonging to the Ukrainian Armed Forces.<sup>10</sup>

About 800m north-east of Marinka (government-controlled, 23km south-west of Donetsk), the UAV spotted for the first time 29 anti-tank mines laid in a field south of a local road and, about 3km south-east, 60 anti-tank mines in another field. Near the north-eastern outskirts of Marinka, the UAV again spotted 28 anti-tank mines in two locations near positions of the Ukrainian Armed Forces and in fields about 1km north-east.<sup>11</sup> All of the aforementioned mines were assessed as belonging to the Ukrainian Armed Forces.

On 2 March, about 2km south-west of Pisky (government-controlled, 11km north-west of Donetsk), an SMM mid-range UAV [again](#) spotted at least 100 anti-tank mines in fields on either side of a local road and, about 70m south-east, it saw for the first time at least 30 additional anti-tank mines laid across a road. In a residential area in the south-eastern part of Pisky, the same UAV [again](#) spotted a group of 35 anti-tank mines laid across a road about 65m from abandoned houses. All of the above-mentioned mines were assessed as belonging to the Ukrainian Armed Forces.

On the north-western edge of Donetsk city (non-government-controlled), the UAV spotted more than 30 anti-tank mines laid across a local road and, about 2km south-west along the same road, at least 400 anti-tank mines laid across fields, all for the first time (unable to

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<sup>8</sup> The hardware mentioned in this section is not proscribed by the provisions of the Minsk agreements on the withdrawal of weapons.

<sup>9</sup> See SMM Daily Reports of [16 May 2019](#), [1 June 2019](#), [24 July 2019](#) and [2 November 2019](#).

<sup>10</sup> See SMM Daily Reports of [6 April 2019](#), [1 June 2019](#), [12 June 2019](#), [25 June 2019](#), [24 July 2019](#) and [2 November 2019](#).

<sup>11</sup> See SMM Daily Reports of [7 March 2019](#), [19 March 2019](#) and [2 April 2019](#).



assess if recent or not). Nearby, the UAV [again](#) spotted 20 mines laid across a road. All of the above-mentioned mines were assessed as belonging to the armed formations.

On the western outskirts of Donetsk city's Petrovskiyi district (non-government-controlled, 15km south-west of Donetsk city centre), an SMM mid-range UAV [again](#) spotted 28 anti-tank mines laid across and along a local road, assessed as belonging to the armed formations.

Also on 2 March, in a field south-west of Styla (non-government-controlled, 34km south of Donetsk), an SMM mid-range UAV [again](#) spotted at least 180 anti-tank mines. In a field about 3km south-east of Styla, the UAV spotted for the first time ten additional anti-mines (probable TM-62). All aforementioned mines were assessed as belonging to the armed formations.

### **SMM facilitation of demining and operation of critical civilian infrastructure**

The SMM continued to facilitate and monitor adherence to localized ceasefires to enable demining in Katerynivka, inside the Zolote disengagement area (see above), and in non-government-controlled Krasnyi Yar (non-government-controlled, 12km north-east of Luhansk). At the latter location, the SMM heard a shot of small-arms fire at an assessed distance of 2-3km north-west.

It continued to facilitate the operation of the Donetsk Filtration Station (DFS) (15km north of Donetsk) and to monitor the security situation in the area of the pumping station near Vasylivka (non-government-controlled, 20km north of Donetsk). While in the area of the DFS, the SMM recorded about 55 explosions within a 5km radius of the station.

### **Border areas outside government control**

On 4 March, while at the border crossing point near Uspenka (73km south-east of Donetsk) for about 20 minutes, the SMM saw about 15 vehicles and 30 cargo trucks queuing to exit Ukraine, and no traffic in the other direction.

The Mission continued monitoring in Kherson, Odessa, Lviv, Ivano-Frankivsk, Kharkiv, Dnipro, Chernivtsi and Kyiv.



## **\*Restrictions of the SMM's freedom of movement or other impediments to fulfilment of its mandate**

*The SMM's monitoring and freedom of movement are restricted by security hazards and threats, including risks posed by mines, unexploded ordnance 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 Joint Centre for Control and Co-ordination 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 above). 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.*

### Denial of access:

- At a checkpoint of the armed formations about 4km north-west of the border crossing point near Leonove (formerly Chervonyi Zhovten, non-government-controlled, 82km south of Luhansk), an armed member of the armed formations told the SMM to leave the area, citing “that the area was highly contaminated by mines and UXO”, thus preventing the Mission to proceed towards the border crossing point.
- At a checkpoint in Staromykhailivka (non-government-controlled, 15km west of Donetsk), a member of the armed formations [again](#) denied the SMM passage towards the settlement, citing “safety concerns for the SMM due to recent shelling”.

### *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:

- On 2 March, an SMM long-range UAV experienced signal interference, assessed as probable jamming, while flying over non-government-controlled areas between Starobesheve (32km south-east of Donetsk) and Pavlivske (53km south-east of Donetsk).<sup>12</sup>
- On 4 March, an SMM mid-range UAV [again](#) experienced GPS signal interference, assessed as caused by probable jamming, while flying over areas near Lebedynske (government-controlled, 99km south of Donetsk).<sup>11</sup>

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<sup>12</sup> The interference could have originated from anywhere within the radius of kilometres from the UAVs' positions.

## Table of weapons

### Weapons in violation of the withdrawal lines

Date	No. of weapons	Type of weapon	Location	Source of observation
<b>Government-controlled areas</b>				
01/03/2020	1	Tank (type undetermined)	North of Novotoshkivske (53km west of Luhansk)	Aerial imagery
02/03/2020	1	Tank (probable T-64)	Near Nyzhnie (56km north-west of Luhansk)	Long-range UAV
<b>Non-government-controlled areas</b>				
04/03/2020	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)		

### Table of military and military-type presence in the security zone<sup>13</sup>

Date	No.	Type	Location	Source of observation
<b>Government-controlled areas</b>				
01/03/2020	2	Armoured combat vehicle	East of Novotoshkivske	Aerial imagery
	4	Armoured combat vehicle	South-east of Orikhove (57km north-west of Luhansk)	
01/03/2020	1	Infantry fighting vehicle (BMP-2)	Near Krasnohorivka (21km west of Donetsk)	Mid-range UAV
	1	Infantry fighting vehicle (probable BMP-2)	In Krasnohorivka, in the yard of a nursing home	
02/03/2020	1	Infantry fighting vehicle (probable BMP variant)	Near Nevelske (18km north-west of Donetsk)	Long-range UAV
	2	Armoured combat vehicle (one type undetermined and one probable infantry fighting vehicle (BMP variant))	Near Krasnohorivka	
	2	Armoured reconnaissance vehicle (BRDM variant)		
	1	Infantry fighting vehicle (probable BMP-1)	In a compound near Kriakivka (38km north-west of Luhansk)	
	1	Armoured combat vehicle		
	1	Armoured personnel carrier (probable BTR-70)		
	1	Probable armoured combat vehicle (probable MT-LB variant)	Near Putylyne (44km north-west of Luhansk)	
	3	Infantry fighting vehicle (probable BMP-1)	In Orikhove-Donetske (44km north-west of Luhansk), about 10m from the nearest residential house	
	1	Combat engineering vehicle (IMR-2)	Near Orikhove-Donetske	
	1	VHF jamming system (R-330P, <i>Piramida</i> )	Near Prychepylivka (50km north-west of Luhansk), in a residential area	
	3	Probable armoured combat vehicle	Near Zaitseve (62km north-east of Donetsk)	
1	Probable armoured combat vehicle			
1	Armoured personnel carrier (MT-LB)	Near Bila Hora (54km north of Donetsk)		

<sup>13</sup> The hardware mentioned in this section is not proscribed by the provisions of the Minsk agreements on the withdrawal of weapons.

02/03/2020	1	Infantry fighting vehicle (probable BMP-1)	Near Znamianka (36km north-west of Luhansk)	Long-range UAV
<b>Non-government-controlled areas</b>				
01/03/2020	1	Armoured combat vehicle	Near Oleksandrivka (20km south-west of Donetsk)	Mid-range UAV
02/03/2020	1	Probable infantry fighting vehicle(BMP variant)	About 1km south-east of the Petrivske disengagement area's south-eastern edge (41km south of Donetsk)	Mid-range UAV
04/03/2020	1	Armoured personnel carried (BTR-80)	Near Dubrivka (7km south-west of Donetsk)	Patrol

**Table of ceasefire violations as of 4 March 2020<sup>14</sup>**

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	5	Projectile	WSW to ENE	N/K	3-Mar, 19:06
	2-4km SE	Recorded	5	Projectile	WSW to ENE	N/K	3-Mar, 19:21
	2-4km SE	Recorded	1	Projectile	WSW to ENE	N/K	3-Mar, 21:20
	2-4km SE	Recorded	1	Projectile	WSW to ENE	N/K	3-Mar, 21:25
	2-4km SE	Recorded	2	Projectile	WSW to ENE	N/K	3-Mar, 21:26
	2-4km SE	Recorded	5	Projectile	WSW to ENE	N/K	3-Mar, 21:27
	2-4km SE	Recorded	1	Projectile	WSW to ENE	N/K	3-Mar, 21:28
	2-4km SE	Recorded	1	Muzzle flash		N/K	3-Mar, 21:28
	2-4km SE	Recorded	1	Projectile	NNE to SSW	N/K	3-Mar, 21:28
	2-4km SE	Recorded	1	Muzzle flash		N/K	3-Mar, 23:06
	2-4km ESE	Recorded	1	Projectile	W to E	N/K	3-Mar, 23:06
	2-4km SE	Recorded	1	Projectile	SW to NE	N/K	4-Mar, 03:04
	2-4km SE	Recorded	3	Projectile	SW to NE	N/K	4-Mar, 03:13
	2-4km SE	Recorded	1	Projectile	SW to NE	N/K	4-Mar, 03:34
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	0.5-1km SSW	Recorded	1	Explosion	Undetermined	N/K	3-Mar, 23:20
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-7km ESE	Recorded	1	Projectile	SW to NE	N/K	3-Mar, 19:29
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	400-600m W	Recorded	1	Explosion	Undetermined	N/K	4-Mar, 17:53
SMM camera in Petrivske (non-government-controlled, 41km S of Donetsk)	1-2km SW	Recorded	1	Projectile	SE to NW (assessed as inside the disengagement area)	N/K	2-Mar, 00:29
	1-2km SSW	Recorded	1	Projectile	ENE to WSW (assessed as inside the disengagement area)	N/K	2-Mar, 00:29
	1-2km SSW	Recorded	43	Muzzle flash	Assessed as inside the disengagement area	N/K	2-Mar, 18:00
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	4-6km N	Recorded	8	Projectile	E to W	N/K	3-Mar, 19:48
	4-6km N	Recorded	1	Muzzle flash		N/K	3-Mar, 20:56
	4-6km N	Recorded	2	Projectile	E to W	N/K	3-Mar, 20:56
	4-6km N	Recorded	1	Projectile	E to W	N/K	3-Mar, 21:17
	4-6km N	Recorded	2	Projectile	E to W	N/K	3-Mar, 21:44
	4-6km N	Recorded	1	Projectile	E to W	N/K	3-Mar, 21:48
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	3-Mar, 21:51

<sup>14</sup> The 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
	4-6km N	Recorded	1	Muzzle flash		N/K	3-Mar, 21:52
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	3-Mar, 22:06
	4-6km N	Recorded	5	Projectile	E to W	N/K	3-Mar, 22:08
	4-6km N	Recorded	3	Projectile	E to W	N/K	3-Mar, 22:44
	4-6km N	Recorded	1	Projectile	E to W	N/K	3-Mar, 22:46
	4-6km N	Recorded	2	Projectile	E to W	N/K	4-Mar, 03:24
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	1-2km SSW	Heard	1	Explosion	Undetermined (within 5km radius from DFS)	N/K	4-Mar, 09:54
	3-4km SSE	Heard	1	Explosion	Undetermined (within 5km radius from DFS)	N/K	4-Mar, 12:12
	4km S	Heard	2	Explosion	Undetermined	N/K	4-Mar, 12:15
	4-5km SSW	Heard	1	Explosion	Undetermined	N/K	4-Mar, 12:17
	4km SSW	Heard	7	Explosion	Undetermined	N/K	4-Mar, 12:22-12:33
	4km SSW	Heard	11	Explosion	Undetermined	N/K	4-Mar, 12:53-12:55
	4km SSE	Heard	3	Explosion	Undetermined	N/K	4-Mar, 13:11
	4km SSE	Heard	9	Explosion	Undetermined	N/K	4-Mar, 13:14-13:16
	4km SSE	Heard	3	Explosion	Undetermined	N/K	4-Mar, 13:18
	2km S	Heard	1	Explosion	Undetermined (within 5km radius from DFS)	N/K	4-Mar, 13:19
E part of Avdiivka (government-controlled, 17km N of Donetsk)	3-5km WSW	Heard	27	Explosion	Undetermined	N/K	4-Mar, 10:43-11:10
	3-5km SSW	Heard	1	Explosion	Undetermined	N/K	4-Mar, 10:43-11:10
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	4-6km SW	Heard	4	Explosion	Undetermined (within 5km radius from DFS)	N/K	4-Mar, 12:14-12:24
	4-6km SW	Heard	6	Explosion	Undetermined (within 5km radius from DFS)	N/K	4-Mar, 12:49-12:59
	4-6km SW	Heard	9	Explosion	Undetermined (within 5km radius from DFS)	N/K	4-Mar, 12:59-13:10
	4-6km SW	Heard	5	Explosion	Undetermined (within 5km radius from DFS)	N/K	4-Mar, 13:12
	3-4km S	Heard	1	Explosion	Undetermined (within 5km radius from DFS)	N/K	4-Mar, 13:12-13:23
	2-3km S	Heard	3	Shot	Within 5km radius from DFS	Small arms	4-Mar, 13:25
About 1km E of Kruta Balka (non-government-controlled, 16 km N of Donetsk)	4-5km SW	Heard	2	explosion	Undetermined	N/K	4-Mar, 10:46-10:47
NW part of Novohryhorivka (non-government-controlled, 61km NE of Donetsk)	3-5km WNW	Heard	1	Explosion	Impact	N/K	4-Mar, 13:49
	3-5km WNW	Heard	1	Explosion	Impact	N/K	4-Mar, 14:12
About 3km SE of	2-3km NNW	Heard	3	Explosion	Undetermined	N/K	4-Mar, 09:52-

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
Pervomaiske (government-controlled, 17km NW of Donetsk)							09:55
	1-2km N	Heard	1	Explosion	Undetermined	N/K	4-Mar, 09:52-09:55
	2-3km NE	Heard	1	Explosion	Undetermined	N/K	4-Mar, 09:57
	2-3km NNW	Heard	1	Explosion	Undetermined	N/K	4-Mar, 09:58
	2-3km NNW	Heard	1	Explosion	Undetermined	N/K	4-Mar, 10:00
	2-3km NNW	Heard	4	Explosion	Undetermined	N/K	4-Mar, 10:02
	2-3km NNW	Heard	8	Explosion	Undetermined	N/K	4-Mar, 10:05-10:10
	2-3km NNW	Heard	8	Burst		Small arms	4-Mar, 10:05-10:10
Krasnohorivka (government-controlled, 21km W of Donetsk)	1km E	Heard	2	Explosion	Outgoing	N/K	4-Mar, 12:48
About 2km NW of central railway station in Donetsk (non-government-controlled, 6km NW of Donetsk city centre)	2-4km NW	Heard	1	Explosion	Undetermined	N/K	4-Mar, 10:55
	2-4km NW	Heard	1	Explosion	Undetermined	N/K	4-Mar, 10:59
	4-6km NW	Heard	4	Explosion	Undetermined	N/K	4-Mar, 11:01
	3-4km NW	Heard	3	Explosion	Undetermined	N/K	4-Mar, 11:04
	2-4km NW	Heard	1	Explosion	Undetermined	N/K	4-Mar, 11:05
	2-4km NW	Heard	1	Explosion	Undetermined	N/K	4-Mar, 11:08
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	4-Mar, 11:34
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	4-Mar, 11:40
Central railway station in Donetsk (non-government-controlled, 6km NW of Donetsk city centre)	2-4km NW	Heard	1	Explosion	Undetermined	N/K	4-Mar, 09:55
	4-8km NW	Heard	1	Explosion	Undetermined	N/K	4-Mar, 10:02
	4-8km NW	Heard	1	Explosion	Undetermined	N/K	4-Mar, 10:06
	4-8km NW	Heard	1	Explosion	Undetermined	N/K	4-Mar, 10:09
	6-8km	Heard	1	Explosion	Undetermined	N/K	4-Mar, 10:25-10:30
Dokuchaievsk (non-government-controlled, 30km SW of Donetsk)	1.5-2km WSW	Heard	15	Burst		Small arms	4-Mar, 14:31
	1.5-2km WSW	Heard	5	Shot		Small arms	4-Mar, 14:31
	1.5-2km WSW	Heard	4	Explosion	Undetermined	N/K	4-Mar, 15:09
About 2km N of Petrivske (non-government-controlled, 41km S of Donetsk)	2-3km NW	Heard	2	Shot	Assessed as outside of the disengagement area	Small arms	4-Mar, 09:15
	2-3km NW	Heard	3	Burst	Assessed as outside disengagement area	Small arms	4-Mar, 09:15
	300-400m E	Heard	13	Shot	Assessed as outside disengagement area	Small arms	4-Mar, 11:00
About 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	2km SE	Heard	1	Explosion	Undetermined (assessed as inside disengagement area)	N/K	4-Mar, 11:21
	1-1.5km NE	Heard	5	Burst	assessed as outside disengagement area	Small arms	4-Mar, 14:35-14:41
	1-1.5km NE	Heard	35	Shot	assessed as outside disengagement area	Small arms	4-Mar, 14:35-14:41
Chermalyk (government-controlled, 77km S of Donetsk)	1-2km S	Heard	2	Explosion	Undetermined	N/K	4-Mar, 10:55-11:00
	2-3km S	Heard	10	Burst		Small arms	4-Mar, 11:10-11:15
	1-2km S	Heard	2	Explosion	Undetermined	N/K	4-Mar, 11:10-

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
							11:15
	2-3km S	Heard	8	Shot		Small arms	4-Mar, 15:34
3km NE of Zaichenko (non-government-controlled, 93km S of Donetsk)	3-4km W	Heard	1	Burst		HMG	4-Mar, 12:50
	N/K SE	Heard	3	Explosion	Undetermined	N/K	4-Mar, 14:55
	N/K S	Heard	2	Shot		Small arms	4-Mar, 15:42-15:52
	3-4km W	Heard	3	Explosion	Undetermined	N/K	4-Mar, 16:14-16:17
	2-3km NW	Heard	2	Burst		Small arms	4-Mar, 17:00-17:03
	2-3km NW	Heard	3	Explosion	Undetermined	N/K	4-Mar, 17:00-17:03
2km SW of Pyshchevyk (government-controlled, 84km S of Donetsk)	N/K SE	Heard	1	Explosion	Undetermined	N/K	4-Mar, 17:03
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	4-5km SW	Heard	7	Explosion	Undetermined (within 5km radius from DFS)	N/K	4-Mar, 09:52-09:54
	4-5km SW	Heard	1	Explosion	Undetermined (within 5km radius of DFS)	N/K	4-Mar, 09:59
	4-5km NE	Heard	1	Explosion	Undetermined	N/K	4-Mar, 10:25
	4-5km SW	Heard	1	Explosion	Undetermined (within 5km radius of DFS)	N/K	4-Mar, 10:42
	4-5km SW	Heard	4	Explosion	Undetermined (within 5km radius of DFS)	N/K	4-Mar, 10:45-10:47
	4-5km SW	Heard	1	Explosion	Undetermined (within 5km radius of DFS)	N/K	4-Mar, 10:55
	2-3km SW	Heard	1	Explosion	Undetermined (within 5km radius of DFS)	N/K	4-Mar, 11:34
	4-5km SW	Heard	7	Explosion	Undetermined (within 5km radius of DFS)	N/K	4-Mar, 13:00-13:06
	4-5km SW	Heard	8	Explosion	Undetermined (within 5km radius of DFS)	N/K	4-Mar, 13:11-13:15
Krasnohorivka (government-controlled, 24km N of Donetsk)	4-5km E	Heard	1	Explosion	Undetermined	N/K	4-Mar, 12:15
	4-5km E	Heard	1	Explosion	Undetermined	N/K	4-Mar, 12:24
	4-5km E	Heard	1	Explosion	Undetermined	N/K	4-Mar, 12:27
Holmivskyi (non-government controlled, 49km NE of Donetsk)	2-4km N	Heard	3	Burst		HMG	4-Mar, 10:58
Horlivka (non-government-controlled, 39km NE of Donetsk)	3-4km W	Heard	4	Explosion	Undetermined	N/K	4-Mar, 11:16
	3-4km W	Heard	4	Shot		Small arms	4-Mar, 11:16
W edge of Horlivka (non-government controlled, 39km NE of Donetsk)	3-4km SW	Heard	2	Burst		HMG	4-Mar, 12:40
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-3km SE	Heard	1	Explosion		N/K	3-Mar, 18:40
	3-4km SE	Heard	1	Explosion		N/K	3-Mar, 21:05
	3-4km SE	Heard	10	Burst		HMG	3-Mar, 22:10-22:11
	3-4km SE	Heard	11	Burst		HMG	3-Mar, 22:16-22:18
	3-4km SE	Heard	2	Burst		HMG	3-Mar, 22:25



SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	3-4km E	Heard	2	Explosion		N/K	3-Mar, 22:53
	3-4km SE	Heard	12	Burst		HMG	3-Mar, 22:56
	4-5km SSE	Heard	1	Burst		HMG	3-Mar, 23:32
	2km SE	Heard	3	Shot		Small arms	3-Mar, 23:39
	2-3km SE	Heard	1	Explosion	undetermined	N/K	4-Mar, 16:20
	2-3km SE	Heard	2	Explosion	undetermined	N/K	4-Mar, 18:05
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	2-4km SSW	Recorded	2	Projectile	WNW to ESE	N/K	3-Mar, 21:41
	2-4km SSW	Recorded	3	Muzzle flash		N/K	3-Mar, 21:47
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	3-4km E	Recorded	1	Projectile	NW to SE (assessed as outside of the disengagement area)	N/K	4-Mar, 18:05
N edge of the disengagement area near Zolote (government-controlled, 60km W of Luhansk)	6-8km E	Heard	1	Explosion	Undetermined	N/K	4-Mar, 09:32
Molodizhne (non-government-controlled, 63km W of Luhansk)	2-3km NNE	Heard	1	Explosion	Undetermined (unable to be assess inside or outside the Zolote disengagement area)	N/K	4-Mar, 09:32
3km N of Pervomaisk (non-government-controlled, 58km W of Luhansk)	3-5km WSW	Heard	1	Burst	Assessed as outside the Zolote disengagement area	HMG	4-Mar, 10:32
	7-10km SSW	Heard	50	Explosion	Undetermined	N/K	4-Mar, 14:35-14:45
Krasnyi Yar (non-government-controlled, 12km NE of Luhansk)	2-3km NW	Heard	1	Shot		Small arms	4-Mar, 10:37
Malokostiantynivka (non-government-controlled, 33km SW of Luhansk)	4-6km SW	Heard	70	Burst	Assessed as life-fire exercise	HMG	4-Mar, 11:35-11:46
	4-6km SW	Heard	1	Explosion	Undetermined (assessed as live-fire exercise)	N/K	4-Mar, 11:35-11:46
N edge of Trokhizbenka (government-controlled, 32km NW of Luhansk)	10-14km WSW	Heard	14	Explosion	Undetermined	N/K	4-Mar, 11:55-12:01
	4-6km S	Heard	7	Burst		HMG	4-Mar, 12:07-12:13
	6-9km WSW	Heard	3	Explosion	Undetermined	N/K	4-Mar, 12:29-12:35

### Map of Donetsk and Luhansk regions<sup>15</sup>



<sup>15</sup> 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).