

# Daily Report 55/2020

6 March 2020<sup>1</sup>

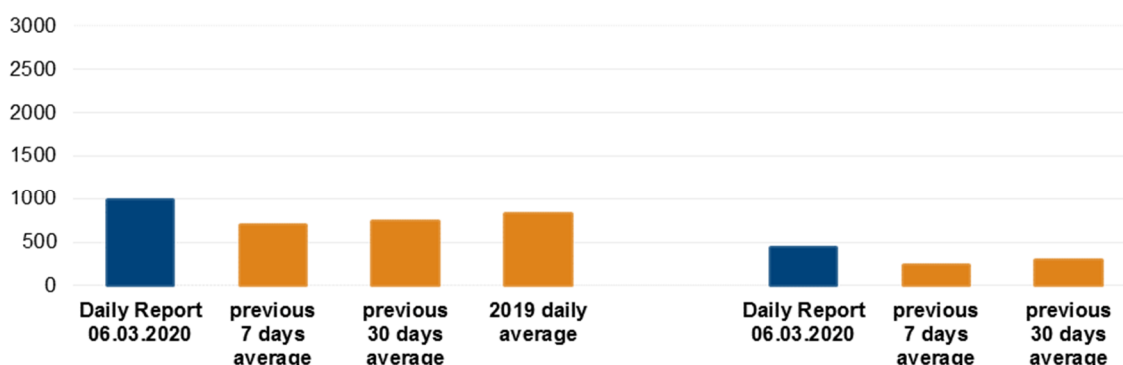
## Summary

- Compared with the previous reporting period, the SMM recorded more ceasefire violations in both Donetsk and Luhansk regions.
- A man died reportedly from injuries caused by an explosive device in non-government-controlled Pionerske.
- The Mission observed a calm situation in the disengagement area near Stanytsia Luhanska and recorded ceasefire violations inside the disengagement areas near Petrivske and Zolote.
- It spotted recent trenches near government-controlled Novotoshkovske and non-government-controlled Holubivske.
- The SMM observed anti-tank mines near non-government-controlled Sentianivka and government-controlled Luhanske and Vodiane.
- The SMM continued to facilitate localized ceasefires to enable repairs to power lines near Spartak and demining activities near Krasnyi Yar.
- The Mission's freedom of movement continued to be restricted, including at a checkpoint of the armed formations in Bezimenne and near a border crossing point close to non-government-controlled Dovzhanske.

## Ceasefire violations<sup>2</sup>

### Number of recorded ceasefire violations<sup>3</sup>

### Number of recorded explosions<sup>4</sup>



## Map of recorded ceasefire violations

<sup>1</sup> Based on information from the Monitoring Teams as of 19:30, 5 March 2020. All times are in Eastern European Time.

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

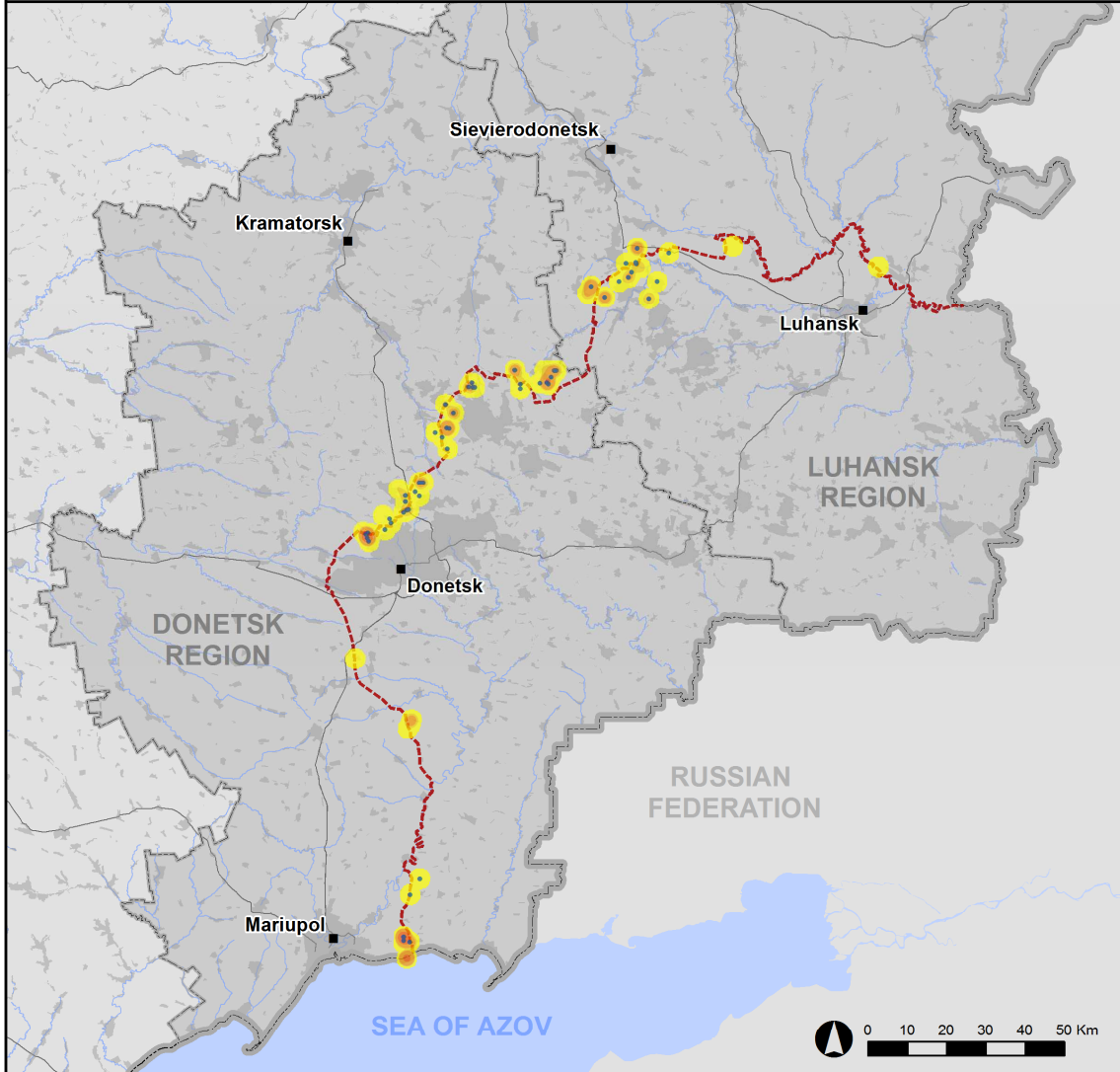
<sup>3</sup> Including explosions.

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

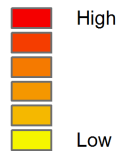


Organization for Security and  
Co-operation in Europe  
Special Monitoring Mission to Ukraine

## Ceasefire violations observed by the SMM 5 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: 06/03/2020

In Donetsk region, the SMM recorded more ceasefire violations, including more explosions (about 315), compared with the [previous reporting period](#) (about 210 explosions). The majority of ceasefire violations were recorded at northerly directions of Shyrokyne (government-controlled, 100km south of Donetsk), at easterly and westerly directions of Svitlodarsk (government-controlled, 57km north-east of Donetsk), and in areas south-south-east of Pisky (government-controlled, 11km north-west of Donetsk).

In Luhansk region, the SMM recorded more ceasefire violations, including more explosions (125), compared with the [previous reporting period](#) (70 explosions). The majority of ceasefire violations were recorded in areas south-east of Popasna (government-controlled, 69km west of Luhansk) and in areas east of the disengagement area near Zolote (government-controlled, 60km west of Luhansk) (see below).

### **A man died reportedly from an explosive device in non-government-controlled Pionerske**

The SMM followed up on reports of a 57-year-old man who reportedly stepped on an anti-personnel mine in Pionerske (non-government-controlled, 19km east of Luhansk) on 27 February. On 29 February, the man's neighbour told the Mission that he had found the man in his house on the morning of 28 February injured after he had called for help and had called for an ambulance; however, the man had passed away from heavy bleeding before the ambulance arrived. On 5 March, a woman who introduced herself as the man's wife told the Mission over the phone that at the time of the incident she had been in Luhansk city, whereas her husband had died on 28 February after stepping on an anti-personnel mine while at their summer house in Pionerske.

On 29 February, while in Pionerske, the SMM saw that the man's house could be found at the end of a local street, about 50m away from visible mine hazard signs.

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

During the day on 5 March, the SMM observed a calm situation in the **Stanytsia Luhanska disengagement area** (government-controlled, 16km north-east of Luhansk). Throughout the day, the SMM saw 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, aerial imagery available to the SMM revealed the presence of two armoured combat vehicles at a checkpoint about 300m north of the northern edge of the **disengagement area near Zolote** (government-controlled, 60km west of Luhansk).

On the night between 4 and 5 March, the SMM camera in Zolote recorded an illumination flare at an assessed range of 4-6km south-east, which the Mission was unable to assess as inside or outside the disengagement area, and two undetermined explosions and a projectile in flight at an assessed range of 2-4km east (assessed as outside the area but within 5km of its periphery).

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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.

On 5 March, while positioned 400m north of the northern edge of the Zolote disengagement area, the SMM heard 14 undetermined explosions at an assessed range of 3-4km south-east, which were unable to be determined as inside or outside the disengagement area. During the same day, while positioned in six locations close to the disengagement area, the SMM heard about 65 undetermined explosions and 25 shots and bursts of small-arms and heavy-machine-gun fire, all assessed as outside the area but within 5km of its periphery. Throughout the day, the SMM saw a member of the armed formations (wearing armbands with “JCCC” written on them) on the southern edge of the disengagement area.

On the night between 4 and 5 March, the SMM camera 2km east of Bohdanivka (government-controlled, 41km south-west of Donetsk) recorded two projectiles in flight from north-north-east to south-south-west, at an assessed range of 2-4km east-south-east, assessed as inside the **disengagement area near Petrivske** (non-government-controlled, 41km south of Donetsk). The same camera also recorded 24 projectiles in flight at an assessed range of 2-4km east and south-east, which were unable to be assessed as inside or outside the disengagement area.

### 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 four weapons in violation of withdrawal lines and 48 weapons beyond withdrawal lines but outside designated storage sites, on both sides of the contact line (for more information, see the table below).

### Indications of military and military-type presence in the security zone<sup>6</sup>

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

On 1 March, aerial imagery available to the SMM revealed the presence of a recent 80m trench running from east to west in fields west-north-west of Holubivske (non-government-controlled, 51km west of Luhansk), two recent trenches running for 50m north to south and 70m east to west in fields east of Novotoshkiivske (government-controlled, 53km west of Luhansk), and two recent trenches running for about 10m east to west and 50m north to south in fields south west of Krymske (government-controlled, 42km north-west of Luhansk) (all not visible in imagery from 24 November 2019).

### Mines near Sentianivka, Luhanske and Vodiane

On 4 March, an SMM long-range unmanned aerial vehicle (UAV) spotted for the first time three rows of at least 37 anti-tank mines laid across a road close to forward positions of the armed formations near Sentianivka (formerly Frunze, non-government-controlled, 44km west of Luhansk).

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

On the same day, an SMM mid-range UAV [again](#) spotted eight anti-tank mines laid across a road between Luhanske (government-controlled, 59km north-east of Donetsk) and Rozsadky (62km north-east of Donetsk) and at least 120 anti-tank mines (part of a larger minefield) in a field north of Vodiane (government-controlled, 94km south of Donetsk) and about 24 additional anti-tank mines laid across road T-0519 near Vodiane.<sup>7</sup> All these mines were assessed as belonging to the Ukrainian Armed Forces.

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

The SMM continued to facilitate and monitor adherence to localized ceasefires to enable repairs to the power lines near Spartak (non-government-controlled, 9km north of Donetsk) and demining in non-government-controlled Krasnyi Yar (non-government-controlled, 12km north-east of Luhansk). In Krasnyi Yar, the Mission saw five de-miners from non-government-controlled areas conducting demining activities on both sides of a local road and heard one explosion, assessed as a controlled detonation of unexploded ordnance (UXO) about 900m east of its position.

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 30 explosions within a 5km radius of the DFS.

### **Distribution of humanitarian aid in Verkhnotoretske**

In Verkhnotoretske (government-controlled, 23km north-east of Donetsk), the SMM saw about 70 civilians (mixed genders and ages) queuing in front of a local administrative building to receive food packages and financial assistance distributed by a humanitarian organization.

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

While at the pedestrian border crossing point near Novoborovytsi (79km south of Luhansk) for about 20 minutes, the Mission did not see any pedestrians exiting or entering Ukraine. Members of the armed formations told the Mission to leave after its arrival at a border crossing point near Dovzhanske (84km south-east of Luhansk).\*

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, 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 Joint Centre for Control and Co-ordination should contribute to such response and co-ordinate mine clearance. Nonetheless, the armed formations in*

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<sup>7</sup> For previous observations, see [SMM Daily Report 3 January 2020](#) and [SMM Daily Report 4 November 2019](#)

parts of Donetsk and Luhansk regions frequently deny the SMM access to areas adjacent to Ukraine's border outside control of the Government (for example, see below). The SMM's operations in Donetsk and Luhansk regions remain restricted following [the fatal incident of 23 April 2017 near Pryshyb](#); these restrictions continued to limit the Mission's observations.

#### Denial of access:

- At a checkpoint west of Bezimenne (non-government-controlled, 100km south of Donetsk), a member of the armed formations [again](#) denied the SMM passage westwards, citing "risk of shelling in the area". While at the checkpoint, the Mission saw vehicular traffic proceeding through both ways.

#### *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 4 March, an SMM long-range UAV experienced signal interference, assessed as probable jamming, while flying over non-government-controlled areas between Vasylivka (65km south-east of Donetsk) and Hlynka (60km south-east of Donetsk).<sup>8</sup>

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<sup>8</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>				
04/03/2020	1	Surface-to-air missile system (9K35 <i>Strela-10</i> )	Near Nyzhnie (56km north-west of Luhansk), in the yard of a civilian house	Long-range UAV
<b>Non-government-controlled areas</b>				
01/03/2020	3	Multiple launch rocket system (type undetermined)	In a training area near Miusynsk (62km south-west of Luhansk)	Aerial imagery

### Beyond withdrawal lines but outside designated storage sites

Date	No. of weapons	Type of weapon	Location	Source of observation
<b>Government-controlled areas</b>				
05/03/2020	5	Tank (T-64)	Near Memryk (33km north-west of Donetsk)	Patrol
<b>Non-government-controlled areas</b>				
01/03/2020	2	Tank (type undetermined)	In a training area near Miusynsk	Aerial imagery
	29	Self-propelled artillery (type undetermined)		
	12	Towed artillery (type undetermined)		

## Table of military and military-type presence in the security zone<sup>9</sup>

Date	No.	Type	Location	Source of observation
<b>Government-controlled areas</b>				
01/03/2020	1	Infantry fighting vehicle (BMP variant)	Near Popasna (69km west of Luhansk)	Mini-UAV
	1	Armoured combat vehicle		
	1	Armoured combat vehicle		
04/03/2020	1	Armoured personnel carrier (MT-LB)	Near Bila Hora (54km north of Donetsk)	Long-range UAV
	6	Armoured combat vehicle		
	7	Armoured reconnaissance vehicle (BRDM-2)	Near Nyzhnie, in the yard of a civilian house	
	1	Armoured combat vehicle		
	1	Infantry fighting vehicle (BMP-2)		
	1	Infantry fighting vehicle (BMP-2)		
05/03/2020	1	Armoured reconnaissance vehicle (BRDM variant)	Near Pervomaiske (17km north-west of Donetsk)	Patrol
	1	Infantry fighting vehicle (BMP-1)	East of Mariupol (102km south of Donetsk)	
<b>Non-government-controlled areas</b>				
05/03/2020	1	Armoured personnel carrier (BTR-80)	Near Dubrivka (7km south-west of Donetsk)	Patrol
	1	Armoured personnel carrier (BTR-80)	On the western edge of Luhansk city	

<sup>9</sup> 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 5 March 2020<sup>10</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	3-5km ESE	Recorded	6	Explosion	Undetermined	N/K	4-Mar, 21:44
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-3km ESE	Recorded	3	Projectile	NNW to SSE	N/K	4-Mar, 19:47
SMM camera 2km E of Bohdaniivka (government-controlled, 41km SW of Donetsk)	2-4km SE	Recorded	2	Muzzle flash	Unable to assess whether inside or outside the Petrivske disengagement area	N/K	4-Mar, 19:52
	2-4km SE	Recorded	2	Projectile	SSW to NNE (subsequent to previous event, unable to assess whether inside or outside the Petrivske disengagement area)	N/K	4-Mar, 19:52
	2-4km ESE	Recorded	2	Projectile	NNE to SSW (assessed as inside the Petrivske disengagement area)	N/K	5-Mar, 00:58
	2-4km E	Recorded	22	Projectile	In vertical flight, unable to assess whether inside or outside the Petrivske disengagement area	N/K	5-Mar, 04:46
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	3-5km E	Recorded	1	Explosion	Undetermined	N/K	4-Mar, 23:17
SMM camera at entry-exit checkpoint in Hnutove (government-controlled, 84km S of Donetsk)	4-6km ENE	Recorded	1	Explosion	Airburst	N/K	4-Mar, 20:42
	4-6km ENE	Recorded	1	Explosion	Airburst	N/K	4-Mar, 20:59
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-4km E	Recorded	1	Projectile	In vertical flight	N/K	4-Mar, 19:07
	2-4km ENE	Recorded	1	Projectile	NW to SE	N/K	4-Mar, 19:11
	2-4km ENE	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	4-Mar, 19:11
	2-4km ENE	Recorded	1	Projectile	NW to SE	N/K	4-Mar, 19:12
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	4-Mar, 19:32
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	4-Mar, 19:33
	1-3km E	Recorded	1	Explosion	Undetermined	N/K	4-Mar, 19:50

<sup>10</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
	1-3km E	Recorded	2	Explosion	Undetermined	N/K	5-Mar, 00:58
	3-4km E	Recorded	1	Explosion	Undetermined	N/K	5-Mar, 01:11
	1-3km E	Recorded	1	Explosion	Undetermined	N/K	5-Mar, 01:35
	1-3km E	Recorded	1	Explosion	Undetermined	N/K	5-Mar, 17:45
	2-4km E	Recorded	1	Illumination flare		N/K	5-Mar, 17:50
	1-3km E	Recorded	1	Explosion	Undetermined	N/K	5-Mar, 18:16
	1-3km E	Recorded	7	Projectile	NNW to SSE	N/K	5-Mar, 18:38
	1-3km E	Recorded	2	Projectile	In vertical flight	N/K	5-Mar, 18:51
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	4-6km N	Recorded	2	Projectile	SE to NW	N/K	4-Mar, 19:05
	1-2km NNE	Recorded	1	Explosion	Undetermined	N/K	5-Mar, 18:16
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	4-6km N	Recorded	1	Projectile	E to W	N/K	4-Mar, 19:16
	4-6km N	Recorded	2	Projectile	E to W	N/K	4-Mar, 19:17
	4-6km N	Recorded	8	Projectile	E to W	N/K	4-Mar, 19:18
	4-6km N	Recorded	6	Projectile	E to W	N/K	4-Mar, 19:19
	4-6km N	Recorded	4	Projectile	E to W	N/K	4-Mar, 19:37
	4-6km N	Recorded	1	Explosion	E to W	N/K	4-Mar, 19:37
	4-6km N	Recorded	5	Projectile	E to W	N/K	4-Mar, 19:38
	4-6km N	Recorded	2	Projectile	E to W	N/K	4-Mar, 19:39
	4-6km N	Recorded	15	Projectile	E to W	N/K	4-Mar, 19:40
	4-6km N	Recorded	5	Projectile	E to W	N/K	4-Mar, 19:41
	4-6km N	Recorded	14	Projectile	E to W	N/K	4-Mar, 19:42
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	4-Mar, 19:42
	4-6km N	Recorded	13	Projectile	E to W	N/K	4-Mar, 19:44
	4-6km N	Recorded	7	Projectile	E to W	N/K	4-Mar, 19:45
	4-6km N	Recorded	7	Projectile	E to W	N/K	4-Mar, 19:46
	4-6km N	Recorded	4	Projectile	E to W	N/K	4-Mar, 19:47
	4-6km N	Recorded	3	Projectile	E to W	N/K	4-Mar, 19:48
	4-6km N	Recorded	10	Projectile	E to W	N/K	4-Mar, 19:49
	4-6km N	Recorded	5	Projectile	E to W	N/K	4-Mar, 19:50
	3-5km N	Recorded	23	Projectile	E to W	N/K	4-Mar, 19:51
	4-6km N	Recorded	2	Explosion	Undetermined	N/K	4-Mar, 19:52
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	4-Mar, 19:52
	3-5km N	Recorded	1	Muzzle flash		N/K	4-Mar, 19:53
	3-5km N	Recorded	6	Projectile	E to W	N/K	4-Mar, 23:14
	3-5km NNE	Recorded	2	Projectile	W to E	N/K	5-Mar, 00:46
	3-5km NNE	Recorded	4	Projectile	W to E	N/K	5-Mar, 01:20
	3-5km NNE	Recorded	2	Projectile	E to W	N/K	5-Mar, 01:20
	3-5km NNE	Recorded	3	Projectile	E to W	N/K	5-Mar, 01:24
	3-5km NNE	Recorded	8	Projectile	W to E	N/K	5-Mar, 01:31
	3-5km NNE	Recorded	8	Projectile	W to E	N/K	5-Mar, 01:32
	3-5km N	Recorded	3	Projectile	E to W	N/K	5-Mar, 02:02
	3-5km N	Recorded	2	Projectile	E to W	N/K	5-Mar, 02:08
	3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	5-Mar, 02:22
3-5km NNE	Recorded	2	Projectile	E to W	N/K	5-Mar, 02:25	
3-4km N	Recorded	1	Projectile	E to W	N/K	5-Mar, 18:35	
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km ESE	Recorded	8	Projectile	NNW to SSE	N/K	5-Mar, 01:03
	3-5km ESE	Recorded	7	Projectile	NNW to SSE	N/K	5-Mar, 01:45
	3-5km ESE	Recorded	1	Projectile	NNW to SSE	N/K	5-Mar, 01:52
	3-5km ESE	Recorded	1	Projectile	NNW to SSE	N/K	5-Mar, 03:02
	3-5km ESE	Recorded	1	Projectile	NNW to SSE	N/K	5-Mar, 03:06
	3-5km ESE	Recorded	7	Projectile	In vertical flight	N/K	5-Mar, 04:46
SE part of Avdiivka (government-	2-3km SE	Heard	6	Explosion	Undetermined	N/K	5-Mar, 09:13-09:16
	2-3km SE	Heard	1	Explosion	Undetermined	N/K	5-Mar, 09:25
	5-6km SSW	Heard	4	Explosion	Undetermined	N/K	5-Mar, 09:58-10:02

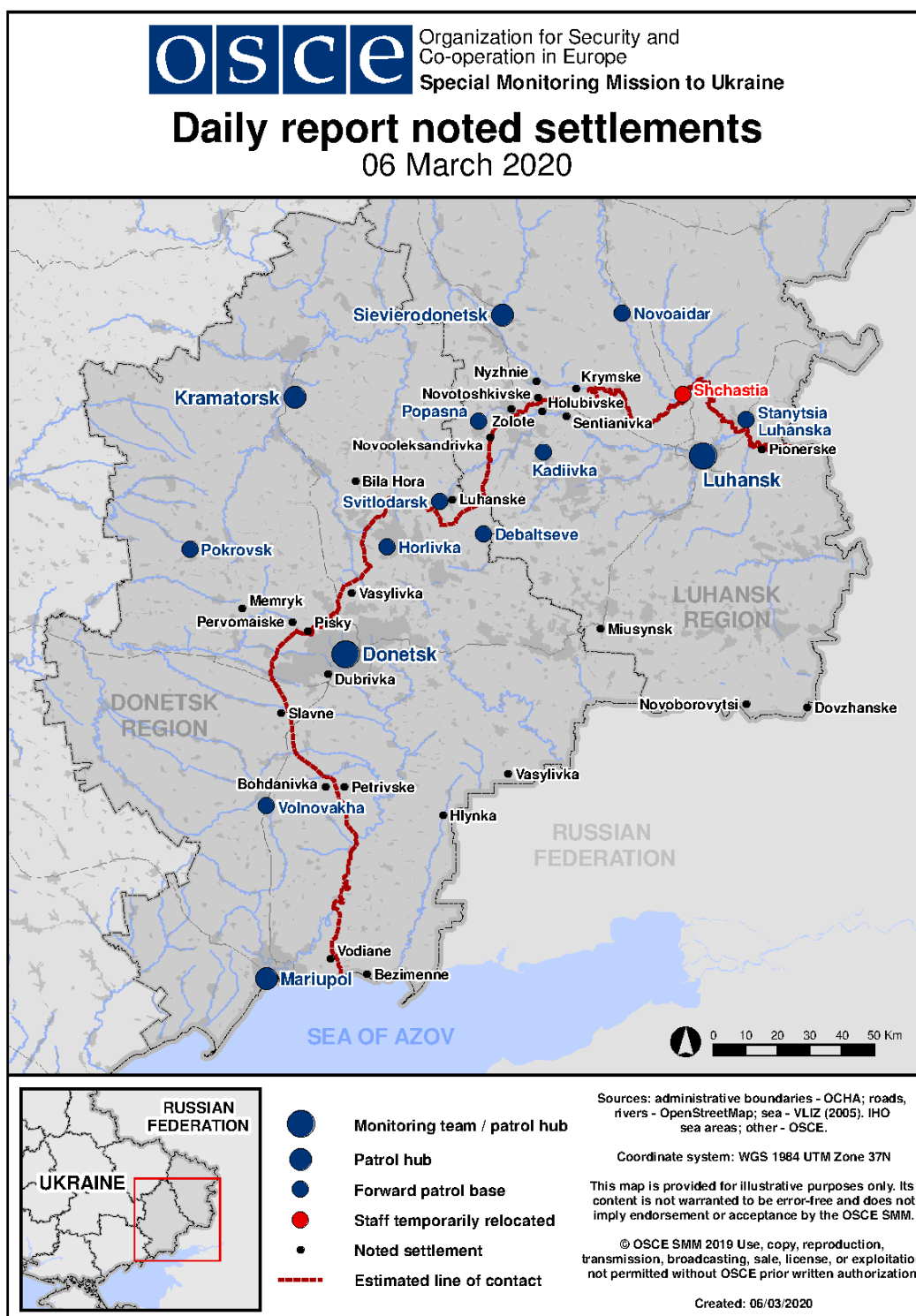
SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
controlled, 17km N of Donetsk)	2-3km SSE	Heard	2	Explosion	Undetermined	N/K	5-Mar, 10:27
	2-3km SSE	Heard	2	Explosion	Undetermined	N/K	5-Mar, 10:30
2.2km NW of Pisky (government-controlled, 11km NW of Donetsk)	1-2km SSE	Heard	5	Explosion	Undetermined	N/K	5-Mar, 09:40
	1-2km SSE	Heard	7	Burst		HMG	5-Mar, 09:40
	1-2km SSE	Heard	25	Explosion	Undetermined	N/K	5-Mar, 09:44-09:47
	2-3km SE	Heard	4	Burst		HMG	5-Mar, 09:48
	1-2km SE	Heard	2	Explosion	Undetermined	N/K	5-Mar, 09:49
	1-2km SE	Heard	7	Burst		HMG	5-Mar, 09:49-09:50
	2-3km SSE	Heard	51	Explosion	Undetermined	N/K	5-Mar, 09:53-10:05
	2-3km SSE	Heard	20	Burst		HMG	5-Mar, 09:53-10:05
	2-3km SSE	Heard	12	Shot		Small arms	5-Mar, 09:53-10:15
	3-4km SSE	Heard	3	Explosion	Undetermined	N/K	5-Mar, 10:24-10:28
2.3km SE of Pervomaiske (government-controlled, 17km NW of Donetsk)	1-2km SSE	Heard	5	Shot		Small arms	5-Mar, 09:32
1.4km E of Berdianske (government-controlled, 102km S of Donetsk)	1km ESE	Heard	80	Shot		Small arms	5-Mar, 12:57-13:25
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	4-6km SE	Heard	5	Explosion	Undetermined	N/K	5-Mar, 09:12-09:13
	4-6km S	Heard	2	Explosion	Undetermined	N/K	5-Mar, 09:12-09:13
	4-6km S	Heard	2	Explosion	Undetermined	N/K	5-Mar, 09:16
	3-4km S	Heard	1	Explosion	Undetermined	N/K	5-Mar, 09:18
	3-4km S	Heard	3	Explosion	Undetermined	N/K	5-Mar, 09:19
	3-4km S	Heard	3	Explosion	Undetermined	N/K	5-Mar, 10:25
	3-4km S	Heard	2	Explosion	Undetermined	N/K	5-Mar, 10:29
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	5-Mar, 11:00
	2-3km SW	Heard	7	Shot	Undetermined	Small arms	5-Mar, 12:23
	3-4km E	Heard	2	Explosion	Undetermined	N/K	5-Mar, 13:17-13:23
	3-4km E	Heard	2	Explosion	Undetermined	N/K	5-Mar, 13:24
	4-5km E	Heard	2	Explosion	Undetermined	N/K	5-Mar, 13:28
	3-5km E	Heard	2	Explosion	Undetermined	N/K	5-Mar, 13:30
	3-5km E	Heard	2	Explosion	Undetermined	N/K	5-Mar, 13:35-13:40
	3-5km E	Heard	4	Explosion	Undetermined	N/K	5-Mar, 13:35-13:40
	3-5km E	Heard	3	Explosion	Undetermined	N/K	5-Mar, 13:43
	3-5km E	Heard	5	Explosion	Undetermined	N/K	5-Mar, 13:50-13:55
3-4km E	Heard	2	Explosion	Undetermined	N/K	5-Mar, 13:57-13:58	
Novoluhanske (government-controlled, 53km NE of Donetsk)	1-2km S	Heard	9	Shot		Small arms	5-Mar, 10:25
	3-4km S	Heard	1	Explosion	Undetermined	N/K	5-Mar, 10:42
About 2.5km SSE of Novhorodske (government-controlled, 35km N of Donetsk)	2-3km ESE	Heard and saw	1	Explosion	Undetermined	N/K	5-Mar, 12:25
Horlivka (non-government-controlled, 39km NE of Donetsk)	5-6km NW	Heard	3	Burst		HMG	4-Mar, 19:26
	5-6km NW	Heard	3	Burst		HMG	4-Mar, 19:27
	5-6km NW	Heard	12	Burst		HMG	4-Mar, 19:39
	5-6km W	Heard	3	Burst		HMG	4-Mar, 19:40
	5-6km W	Heard	3	Burst		HMG	4-Mar, 19:41
	5-6km W	Heard	3	Explosion	Undetermined	N/K	4-Mar, 19:44
	5-6km W	Heard	3	Explosion	Undetermined	N/K	4-Mar, 19:45
	5-6km W	Heard	2	Explosion	Undetermined	N/K	4-Mar, 19:46
	5-6km W	Heard	5	Explosion	Undetermined	N/K	4-Mar, 19:47

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	5-6km W	Heard	6	Explosion	Undetermined	N/K	4-Mar, 19:48
	5-6km W	Heard	4	Explosion	Undetermined	N/K	4-Mar, 19:49
	5-6km W	Heard	3	Burst		HMG	4-Mar, 19:49
	5-6km W	Heard	1	Explosion	Undetermined	N/K	4-Mar, 19:51
	5-6km W	Heard	3	Burst		HMG	4-Mar, 20:01
	5-6km W	Heard	3	Explosion	Undetermined	N/K	4-Mar, 20:10
	5-6km W	Heard	1	Burst		HMG	4-Mar, 20:11
	5-6km W	Heard	2	Explosion	Undetermined	N/K	4-Mar, 20:14
	5-6km W	Heard	1	Burst		HMG	4-Mar, 20:16
	5-6km W	Heard	5	Burst		HMG	4-Mar, 20:27
	5-6km W	Heard	1	Explosion	Undetermined	N/K	4-Mar, 20:29
	5-6km W	Heard	6	Burst		HMG	4-Mar, 20:31
	5-6km W	Heard	1	Burst		HMG	4-Mar, 20:36
	5-6km W	Heard	3	Explosion	Undetermined	N/K	4-Mar, 20:37
	5-6km NW	Heard	2	Explosion	Undetermined	N/K	4-Mar, 20:39
	5-6km W	Heard	1	Explosion	Undetermined	N/K	4-Mar, 20:41
	5-6km W	Heard	1	Burst		HMG	4-Mar, 21:12
	7-10km NW	Heard	3	Explosion	Undetermined	N/K	5-Mar, 06:34
	7-10km NW	Heard	5	Explosion	Undetermined	N/K	5-Mar, 06:36
	4-6km W	Heard	1	Explosion	Undetermined	N/K	5-Mar, 16:16
7-8km SW	Heard	2	Explosion	Undetermined	N/K	5-Mar, 16:30	
7-8km SW	Heard	1	Explosion	Undetermined	N/K	5-Mar, 16:32	
W edge of Horlivka (non-government controlled, 39km NE of Donetsk)	5-6km SW	Heard	1	Explosion	Undetermined	N/K	5-Mar, 12:25
Svitlodarsk (government-controlled, 57km NE of Donetsk)	4-6km SE	Heard	4	Explosion	Undetermined	N/K	4-Mar, 19:06-19:07
	4-6km W	Heard	3	Explosion	Undetermined	N/K	4-Mar, 19:12
	4-6km W	Heard	4	Explosion	Undetermined	N/K	4-Mar, 19:30
	4-6km W	Heard	1	Explosion	Undetermined	N/K	4-Mar, 19:38
	4-5km SE	Heard	2	Burst		HMG	4-Mar, 21:00
	4-5km SE	Heard	3	Explosion	Undetermined	N/K	4-Mar, 21:25-21:27
	4-5km ESE	Heard	5	Explosion	Undetermined	N/K	4-Mar, 21:33-21:35
	4-5km SE	Heard	3	Explosion	Undetermined	N/K	4-Mar, 21:46-21:48
	4-5km SE	Heard	8	Explosion	Undetermined	N/K	4-Mar, 22:02-22:03
	4-5km SE	Heard	10	Burst		HMG	4-Mar, 22:07-22:08
	4-6km W	Heard	18	Explosion	Undetermined	N/K	4-Mar, 22:11-22:13
	4-5km SE	Heard	2	Burst		MHG	4-Mar, 23:56
	4-5km SE	Heard	14	Explosion	Undetermined	N/K	5-Mar, 06:32-06:34
	4-5km SE	Heard	2	Explosion	Undetermined	N/K	5-Mar, 06:59-07:01
	5-6km E	Heard	5	Explosion	Undetermined	N/K	5-Mar, 12:42-12:43
	4-6km E	Heard	1	Burst		Cannon (30mm)	5-Mar, 12:51
	4-6km E	Heard	2	Explosion	Undetermined	N/K	5-Mar, 12:54
	4-6km E	Heard	1	Burst		Cannon (30mm)	5-Mar, 12:54
	4-6km E	Heard	1	Explosion	Undetermined	N/K	5-Mar, 13:21
	4-6km E	Heard	1	Explosion	Undetermined	N/K	5-Mar, 13:55
	4-6km E	Heard	1	Explosion	Undetermined	N/K	5-Mar, 13:59
	4-6km E	Heard	1	Explosion	Undetermined	N/K	5-Mar, 14:02
	4-6km E	Heard	2	Explosion	Undetermined	N/K	5-Mar, 14:06-14:07
	4-6km SW	Heard	1	Explosion	Undetermined	N/K	5-Mar, 14:15
	4-6km W	Heard	1	Explosion	Undetermined	N/K	5-Mar, 14:20
	4-6km E	Heard	3	Explosion	Undetermined	N/K	5-Mar, 14:53
	4-6km E	Heard	1	Explosion	Undetermined	N/K	5-Mar, 15:01
	4-6km E	Heard	3	Explosion	Undetermined	N/K	5-Mar, 15:49-15:51
2-3km E	Heard	3	Burst		HMG	5-Mar, 16:45	
2-3km E	Heard	3	Burst		HMG	5-Mar, 16:48	

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	3-4km E	Heard	7	Burst		Cannon (30mm)	5-Mar, 17:44-17:45
	4-6km E	Heard	2	Explosion	Undetermined	N/K	5-Mar, 17:49
	3-4km SSE	Heard	1	Explosion	Undetermined	N/K	5-Mar, 18:26
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	4-6km SSE	Recorded	3	Projectile	W to E	N/K	4-Mar, 20:10
	4-6km SSE	Recorded	4	Projectile	W to E	N/K	4-Mar, 20:13
	4-6km SSE	Recorded	10	Projectile	W to E	N/K	4-Mar, 20:35
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2-4km E	Recorded	1	Explosion	Undetermined (assessed as outside of the disengagement area)	N/K	4-Mar, 19:30
	2-4km E	Recorded	1	Explosion	Undetermined (assessed as outside of the disengagement area)	N/K	4-Mar, 19:34
	2-4km E	Recorded	1	Projectile	W to E (assessed as outside of the disengagement area)	N/K	5-Mar, 00:16
	4-6km SE	Recorded	1	Illumination flare	In vertical flight (unable to assess whether inside or outside the disengagement area)	N/K	5-Mar, 00:05
400m N of the disengagement area near Zolote (government-controlled, 60km W of Luhansk)	5-8km NE	Heard	12	Explosion	Undetermined	N/K	5-Mar, 08:47-08:55
	5-8km NE	Heard	20	Burst		HMG	5-Mar, 08:47-08:55
	5-6km E	Heard	10	Burst	Assessed as outside the disengagement area	N/K	5-Mar, 09:06-09:45
	3-4km SE	Heard	14	Explosion	Undetermined (unable to assess if inside or outside the disengagement area)	N/K	5-Mar, 09:06-09:45
NW edge of Holubivka (formerly Kirovsk, non-government-controlled, 51km W of Luhansk)	6-8km W	Heard	2	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	5-Mar, 08:58
S edge of Holubivske (non-government-controlled, 51km W of Luhansk)	2-3km SSW	Heard	6	Explosion	Undetermined	N/K	5-Mar, 09:35-09:39
	5-10km W	Heard	5	Explosion	Undetermined (unable to assess if inside or outside the Zolote disengagement area)	N/K	5-Mar, 09:40-09:48
Krasnyi Yar (non-government-controlled, 12km NE of Luhansk)	2-3km N	Heard	1	Shot		Small arms	5-Mar, 09:39
Zolote-3/Stakhanovets (government-controlled, 61km NW of Luhansk)	5-6km E	Heard	4	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	5-Mar, 09:55
	10-15km SE	Heard	15	Explosion	Undetermined	N/K	5-Mar, 11:50
N edge of Trokhizbenka (government-controlled, 32km NW of Luhansk)	5-7km SW	Heard	3	Burst		HMG	5-Mar, 11:15

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
N edge of Popasna (government-controlled, 69km W of Luhansk)	3-5km SE	Heard	5	Burst	Assessed as outside the Zolote disengagement area	Small arms	5-Mar, 11:45-12:06
	3-5km SE	Heard	10	Burst	Assessed as outside the Zolote disengagement area	HMG	5-Mar, 11:45-12:06
	3-5km SE	Heard	28	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	5-Mar, 11:45-12:06
SW edge of Zolote-5/Mykhailivka (non-government-controlled, 58km NW of Luhansk)	8-10km SW	Heard	30	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	5-Mar, 11:46-11:52
2km N of Prychepylivka (government-controlled, 50km NW of Luhansk)	5-10km S	Heard	5	Explosion	Undetermined	N/K	5-Mar, 12:35-12:40
3km N of Pervomaisk (non-government-controlled, 58km W of Luhansk)	4-6km NE	Heard	2	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	5-Mar, 14:46

### Map of Donetsk and Luhansk regions<sup>11</sup>



<sup>11</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).