

# Daily Report 101/2020

29 April 2020<sup>1</sup>

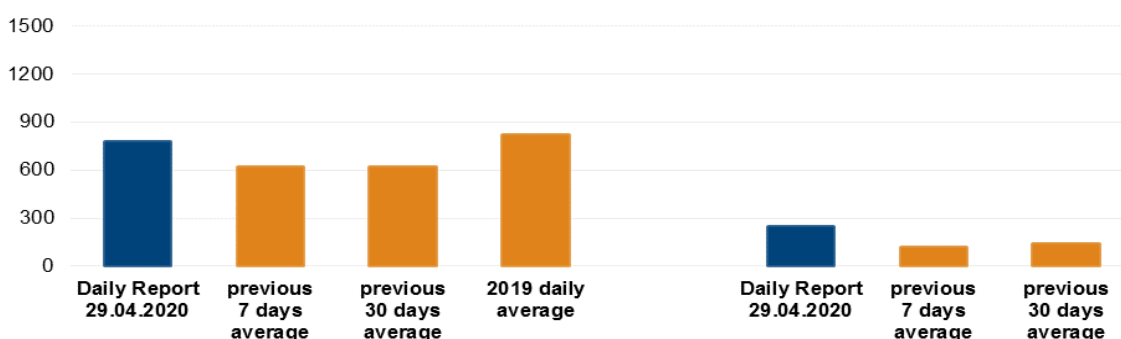
## Summary

- Compared with the previous reporting period, the Mission recorded fewer ceasefire violations in Donetsk region and more in Luhansk region.
- The SMM saw damage from shelling to residential buildings as well as recent craters near Novooleksandrivka, Luhansk region.
- Members of the armed formations continued to deny the SMM passage at checkpoints along official crossing routes in Donetsk and Luhansk regions.\*
- The Mission continued monitoring the disengagement areas near Stanytsia Luhanska, Zolote and Petrivske.
- The SMM continued to monitor and facilitate adherence to localised ceasefires to enable repairs to and construction of critical civilian infrastructure on both sides of the contact line, as well as demining activities.
- The Mission saw that entry-exit checkpoints and checkpoints of the armed formations in Donetsk and Luhansk regions remained closed amid the COVID-19 outbreak.
- The SMM's freedom of movement continued to be restricted in both Donetsk and Luhansk regions.\*

## 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 Monitoring Teams as of 19:30, 28 April 2020. All times are in Eastern European Summer Time.

<sup>2</sup> For a complete breakdown of ceasefire violations, please see the annexed table. During the reporting period, the SMM cameras at the Oktiabr mine were not operational.

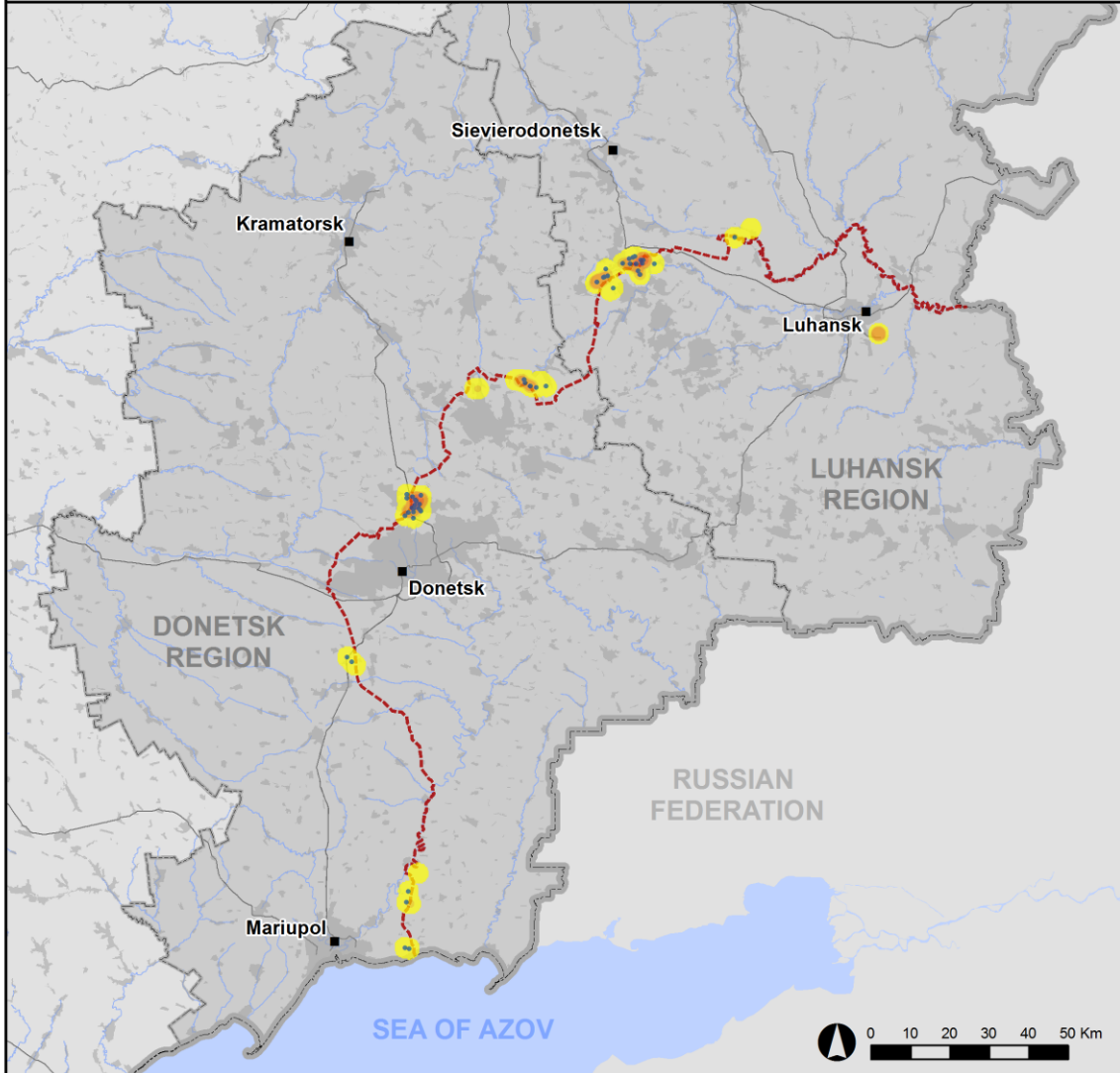
<sup>3</sup> Including explosions.

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

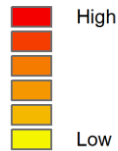


Organization for Security and  
Co-operation in Europe  
Special Monitoring Mission to Ukraine

## Ceasefire violations observed by the SMM 28 April 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: 29/04/2020

In Donetsk region, the SMM recorded fewer ceasefire violations, including, however, more explosions (about 65), compared with the [previous reporting period](#) (about 30 explosions). The majority of ceasefire violations were recorded at northerly and westerly directions of Yasynuvata (non-government-controlled, 16km north-east of Donetsk).

In Luhansk region, the SMM recorded more ceasefire violations, including more explosions (about 180), compared with the [previous reporting period](#) (nine explosions). The majority of ceasefire violations, including the majority of explosions, were recorded in areas east and north-east of the disengagement area near Zolote (government-controlled, 60km west of Luhansk), including 14 explosions of mortar rounds (see below). The SMM also recorded four bursts of small-arms fire north of Trokhizbenka (government-controlled, 32km north-west of Luhansk) and 50 bursts of small-arms fire near the south-eastern edge of Luhansk city (non-government-controlled), assessed as live-fire exercises inside the security zone, in violation of the decision of the Trilateral Contact Group of 3 March 2016 that prohibits the conduct of live-fire training in the security zone.

### **Damage from shelling to residential buildings and recent craters in Novooleksandrivka**

On 26 April, on the southern edge of Novooleksandrivka (government-controlled, 65km west of Luhansk), an SMM mini-unmanned aerial vehicle (UAV) spotted damage, assessed as fresh and caused by shelling, to uninhabited residential houses. Imagery from the UAV showed that three buildings out of a cluster of five were completely destroyed and two were missing their roofs. It also showed shrapnel damage to roofs of an additional two buildings about 500m south-west of said cluster. The same UAV also spotted at least 25 craters nearby, assessed as fresh impacts of mortar rounds (all of the above damage was not seen in imagery from 12 April 2020).

### **Members of the armed formations continued to deny SMM passage at checkpoints along the contact line in Donetsk and Luhansk regions**

Members of the armed formations continued to deny the Mission passage at checkpoints in both Donetsk and Luhansk regions along official crossing routes. These restrictions constitute an impediment to the implementation of the Mission's mandate.<sup>5</sup>

In Donetsk region, at a checkpoint near Horlivka (non-government-controlled, 39km north-east of Donetsk), a road barrier impeded the SMM's passage towards non-government-controlled areas. An armed member of the armed formations twice told the SMM to wait while he sought permission from superiors to allow the SMM passage. Having received no response from the armed formations, the SMM left the area (see SMM Spot Report 19/2020).\*

In Luhansk region, at the checkpoint of the armed formations south of the Stanytsia Luhanska bridge (15km north-east of Luhansk), a member of the armed formations again denied the SMM passage towards government-controlled areas, referring to the closure of the checkpoint due to COVID-19 (see SMM Spot Report 19/2020).\*

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<sup>5</sup> The Mission began facing repeated denials when attempting to cross into non-government-controlled areas at checkpoints of the armed formations in Donetsk region on 21 March and Luhansk region on 23 March. For more information, see SMM Daily and Spot Reports.

## **Disengagement areas near Stanytsia Luhanska, Zolote and Petrivske<sup>6</sup>**

On the morning of 28 April, while positioned on the southern edge of Stanytsia Luhanska (government-controlled, 16km north-east of Luhansk), the SMM heard an explosion at an assessed range of 2-4km west-north-west, assessed as a controlled detonation outside the **disengagement area near Stanytsia Luhanska**.

On the evening and night of 27-28 April, the SMM camera in Zolote recorded about 40 undetermined explosions, about 40 projectiles in flight, and a muzzle flash, all at an assessed range of about 2-6km east. On the same evening and night, the SMM camera on the northern edge of Popasna (government-controlled, 69km west of Luhansk) recorded four undetermined explosions and 23 projectiles in flight, all at an assessed range of 3-5km east-south-east. On the evening of 27 April, while in Popasna, the SMM heard 11 undetermined explosions at an assessed range of 5-8km east. All these ceasefire violations were assessed as outside the **disengagement area near Zolote** but within 5km of its periphery.

During the day on 28 April, while positioned at five locations near the disengagement area close to Zolote, the SMM recorded about 110 undetermined explosions, including 14 explosions of mortar rounds, and about 65 shots and bursts of small-arms and heavy-machine-gun fire, all assessed as outside the disengagement area but within 5km of its periphery. On the same day, the SMM saw six members of the armed formations (wearing armbands with "JCCC" written on them) near the southern edge of the disengagement area.

On 28 April, while positioned near the **disengagement area near Petrivske** (non-government-controlled, 41km south of Donetsk), the SMM observed a calm situation.

## **Withdrawal of weapons**

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

The Mission saw weapons beyond withdrawal lines but outside of designated storage sites on both sides of the contact line, including in training areas in non-government-controlled areas of Donetsk and Luhansk regions (for further details, see the table below).

## **Indications of military and military-type presence inside the security zone<sup>7</sup>**

In Donetsk region, the SMM observed armoured combat vehicles inside the security zone on both sides of the contact line, including in the yard of a residential house (for further details, see the table below).

## **Remnant of ammunition near Molodizhne and demining activities near Hranitne**

On 28 April, about 200m south of a checkpoint of the armed formations south-west of Molodizhne (non-government-controlled, 63km west of Luhansk), the SMM saw for the first time a tailfin of a recoilless gun (SPG-9), assessed as exploded, embedded in the northern edge of road T-0504, which is regularly used by the SMM.

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<sup>6</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>7</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, about 6km south-west of Hranitne (government-controlled, 60km south of Donetsk), the Mission saw members of an international demining organization conducting activities related to demining in a field south of a road leading towards Myrne (government-controlled, 63km south of Donetsk).

### **SMM facilitation of operation, maintenance and construction of critical civilian infrastructure**

The SMM facilitated and monitored adherence to localised ceasefires to enable vegetation clearance, inspection and maintenance of railway tracks near Vilkhove (government-controlled, 22km north-east of Luhansk); repairs to water infrastructure near Pankivka (non-government-controlled, 16km north of Luhansk) and Zolote-5/Mykhailivka (non-government-controlled, 58km west of Luhansk); construction of water infrastructure near Raivka (non-government-controlled, 16km north-west of Luhansk); repairs to heating pipelines in Yasne (non-government-controlled, 30km south-west of Donetsk); and demining activities in Krasnyi Yar (non-government-controlled, 12km north-east of Luhansk).

The Mission continued to facilitate the operation of the Donetsk Filtration Station (DFS). During the day on 28 April, while positioned at four locations near the DFS, the SMM heard about 20 undetermined explosions and about 220 shots and bursts of small-arms and heavy-machine-gun fire. All these ceasefire violations were assessed as within a 5km radius from the station.

### **Measures at entry-exit checkpoints and their corresponding checkpoints to counter COVID-19 outbreak**

In Donetsk region, the Mission saw that the entry-exit checkpoints (EECP) near Maiorsk (government-controlled, 45km north-east of Donetsk) and Novotroitske (government-controlled, 36km south-west of Donetsk), and the checkpoint of the armed formations near Horlivka remained closed.

In Luhansk region, the SMM saw that the EECP in Stanytsia Luhanska and the corresponding checkpoint of the armed formations south of the Stanytsia Luhanska bridge remained closed.\*

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 and unexploded ordnance (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 (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 March 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.

#### Denial of access:

- At a checkpoint south of the Stanytsia Luhanska bridge (15km north-east of Luhansk), a member of the armed formations again denied the SMM passage towards government-controlled areas, referring to the closure of the checkpoint due to COVID-19. He added that the Mission would also not be allowed passage towards non-government-controlled areas for the same reason (see SMM Spot Report 19/2020).
- At a checkpoint north of Horlivka (non-government-controlled, 39km north-east of Donetsk), a road barrier impeded the SMM's passage towards non-government-controlled areas. On two occasions, an armed member of the armed formations sought permission from his superiors to allow the SMM passage. Having received no response from the armed formations, the SMM left the area.

#### *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 28 April, an SMM mid-range UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying over areas near Styla (non-government-controlled, 34km south 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 UAV's position.

## Table of weapons

### Beyond withdrawal lines but outside designated storage sites

Date	No. of weapons	Type of weapon	Location	Source of observation
<b>Government-controlled areas</b>				
27/04/2020	3	Probable surface-to-air missile systems (9K33 <i>Osa</i> )	Near Kasianivka (81km south of Donetsk)	Long-range UAV
<b>Non-government-controlled areas</b>				
26/04/2020	20	Tank (type undetermined)	In a training area near Ternove (57km east of Donetsk) (for previous observations, see <a href="#">SMM Daily Report 3 April 2020</a> )	Aerial imagery
	22	Tank (type undetermined)	In a training area near Myrne (28km south-west of Luhansk) (for previous observations, see <a href="#">SMM Daily Report 3 April 2020</a> )	
	6	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>				
27/04/2020	1	Armoured combat vehicle	Near Hranitne (60km south of Donetsk)	Long-range UAV
	1	Armoured combat vehicle	Near Novohryhorivka (55km south of Donetsk)	
	1	Armoured combat vehicle	Near Starohnativka (51km south of Donetsk)	
28/04/2020	4	Infantry fighting vehicle (BMP-2)	In Zaitseve (62km north-east of Donetsk)	Patrol
	1	Infantry fighting vehicle (BMP variant)	In the yard of a residential house in Pavlopil (84km south of Donetsk)	
<b>Non-government-controlled areas</b>				
26/04/2020	1	Probable armoured combat vehicle	Near a house used by the armed formations in Lohvynove (59km north-east of Donetsk)	Mini-UAV

<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 28 April 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)	2-4km ESE	Recorded	1	Projectile	NNE to SSW	N/K	27-Apr, 20:33
	2-5km ESE	Recorded	1	Projectile	NNE to SSW	N/K	27-Apr, 21:32
	4-6km ESE	Recorded	3	Projectile	NNE to SSW	N/K	27-Apr, 22:05
	4-6km ESE	Recorded	1	Projectile	In vertical flight	N/K	27-Apr, 22:05
	4-6km ESE	Recorded	1	Projectile	NNE to SSW	N/K	27-Apr, 22:06
	2-5km ESE	Recorded	1	Projectile	NNE to SSW	N/K	27-Apr, 22:23
	2-5km SE	Recorded	1	Explosion	Undetermined	N/K	27-Apr, 23:33
	2-5km ESE	Recorded	2	Projectile	NNE to SSW	N/K	28-Apr, 00:57
	2-5km ESE	Recorded	22	Projectile	N to S	N/K	28-Apr, 04:26
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-4km SE	Recorded	1	Illumination flare	In vertical flight	N/K	28-Apr, 04:50
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	3-5km SE	Recorded	1	Burst	NNE to SSW	N/K	27-Apr, 21:23
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	0.5-1.5km S	Recorded	2	Projectile	WNW to ESE	N/K	27-Apr, 21:24
	0.5-1.5km S	Recorded	2	Projectile	WNW to ESE	N/K	27-Apr, 21:24
	1-2km SSW	Recorded	1	Projectile	W to E	N/K	27-Apr, 22:05
	0.5-1.5km S	Recorded	1	Projectile	WNW to ESE	N/K	27-Apr, 22:52
	0.5-1.5km S	Recorded	2	Projectile	WNW to ESE	N/K	27-Apr, 22:52
	0.5-1.5km S	Recorded	1	Muzzle flash		N/K	27-Apr, 22:52
	0.5-1.5km S	Recorded	1	Muzzle flash		N/K	27-Apr, 22:52
	0.5-1.5km S	Recorded	1	Explosion	Undetermined	N/K	27-Apr, 22:52
	1-2km SSW	Recorded	1	Projectile	W to E	N/K	27-Apr, 23:26
	1-2km SSW	Recorded	1	Projectile	W to E	N/K	27-Apr, 23:26
	0.3-1km SSW	Recorded	3	Muzzle flash		N/K	28-Apr, 00:01
	1-2km S	Recorded	1	Projectile	W to E	N/K	28-Apr, 04:48
1-2km S	Recorded	1	Projectile	E to W	N/K	28-Apr, 04:48	
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	27-Apr, 21:28
	3-5km ESE	Recorded	1	Projectile	SSW to NNE	N/K	27-Apr, 21:53
	3-5km ESE	Recorded	1	Muzzle flash		N/K	27-Apr, 21:55
	3-5km ESE	Recorded	2	Muzzle flash		N/K	27-Apr, 21:56
	3-5km ESE	Recorded	4	Muzzle flash		N/K	27-Apr, 22:55
	3-5km ESE	Recorded	1	Projectile	SSW to NNE	N/K	28-Apr, 02:55
SMM camera at entry-exit checkpoint in Hnutove (government-controlled, 84km S of Donetsk)	1-2km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	28-Apr, 00:00
	1-2km ESE	Recorded	1	Explosion	Undetermined	N/K	28-Apr, 00:06
	1-2km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	28-Apr, 00:06
SMM camera at entry-exit	2-4km E	Recorded	2	Projectile	N to S	N/K	28-Apr, 01:24

<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.



checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	3-5km E	Recorded	2	Projectile	N to S	N/K	28-Apr, 03:42
	3-5km E	Recorded	5	Projectile	NNW to SSE	N/K	28-Apr, 03:44
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	2-4km NNE	Recorded	1	Projectile	E to W	N/K	27-Apr, 21:20
	2-4km NNE	Recorded	1	Projectile	E to W	N/K	27-Apr, 21:21
	2-4km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	27-Apr, 21:21
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	28-Apr, 00:06
	2-4km N	Recorded	1	Illumination flare	In vertical flight	N/K	28-Apr, 02:05
	2-4km N	Recorded	1	Illumination flare	In vertical flight	N/K	28-Apr, 02:06
	2-4km N	Recorded	1	Projectile	WSW to ENE	N/K	28-Apr, 02:13
	2-4km N	Recorded	1	Explosion	Impact (subsequent to the previous event)	N/K	28-Apr, 02:13
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km SE	Recorded	1	Projectile	NE to SW	N/K	27-Apr, 22:46
	3-5km SE	Recorded	1	Projectile	NE to SW	N/K	27-Apr, 22:47
	3-5km SE	Recorded	1	Explosion	Undetermined	N/K	27-Apr, 22:47
	3-5km SE	Recorded	1	Projectile	NE to SW	N/K	27-Apr, 22:49
	3-5km SE	Recorded	1	Projectile	NE to SW	N/K	27-Apr, 23:01
	3-5km SE	Recorded	1	Explosion	Undetermined	N/K	27-Apr, 23:01
	2-4km WSW	Recorded	2	Projectile	NNW to SSE	N/K	27-Apr, 20:51
	2-5km WSW	Recorded	1	Projectile	SSE to NNW	N/K	27-Apr, 21:00
	2-4km WSW	Recorded	2	Explosion	Undetermined	N/K	27-Apr, 21:00
	2-4km WSW	Recorded	1	Explosion	Undetermined	N/K	27-Apr, 21:02
	2-4km WSW	Recorded	1	Projectile	SE to NW	N/K	27-Apr, 22:02
	3-5km WSW	Recorded	13	Projectile	NNE to SSW	N/K	28-Apr, 00:51
	3-5km WSW	Recorded	1	Projectile	SSE to NNW	N/K	28-Apr, 00:53
	3-5km WSW	Recorded	3	Projectile	NNE to SSW	N/K	28-Apr, 00:53
Railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	1-2km NW	Heard	10	Burst		Small arms	28-Apr, 12:00
	2-3km W	Heard	3	Explosion	Undetermined	N/K	28-Apr, 12:05
	1-2km NW	Heard	3	Burst		Small arms	28-Apr, 12:06
	2-4km NW	Heard	1	Explosion	Undetermined	N/K	28-Apr, 12:11
	2-4km NW	Heard	1	Explosion	Undetermined	N/K	28-Apr, 12:17
	1-3km WNW	Heard	6	Shot		Small arms	28-Apr, 12:17
	1km WSW	Heard	1	Explosion	Undetermined	N/K	28-Apr, 12:19
	1-2km NW	Heard	2	Explosion	Undetermined	N/K	28-Apr, 12:58-13:00
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	1-2km N	Heard	15	Burst		Small arms	28-Apr, 09:45-09:46
	1-2km N	Heard	7	Burst		Small arms	28-Apr, 10:05-10:06
	1-2km W	Heard	10	Shot		Small arms	28-Apr, 10:34-10:35
	1-2km W	Heard	4	Burst		Small arms	28-Apr, 10:34-10:35
	2-3km N	Heard	1	Explosion	Undetermined	N/K	28-Apr, 10:48
	1-2km W	Heard		Burst	Uncountable	Small arms	28-Apr, 10:48
	1-2km N	Heard	4	Burst		Small arms	28-Apr, 10:50
	1-2km N	Heard	4	Shot		Small arms	28-Apr, 10:58-11:00

	1-2km N	Heard	1	Burst		Small arms	28-Apr, 10:58-11:00
	1-2km N	Heard	15	Burst		HMG	28-Apr, 11:05
	1-2km WNW	Heard	29	Shot		Small arms	28-Apr, 11:10-11:14
	1-3km NW	Heard	13	Burst		Small arms	28-Apr, 11:18-11:23
	1-3km NW	Heard	8	Shot		Small arms	28-Apr, 11:18-11:23
	1-2km W	Heard	3	Shot		Small arms	28-Apr, 11:25-11:29
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	28-Apr, 13:09
	2-3km NW	Heard	24	Shot	Undetermined	N/K	28-Apr, 13:11-13:15
	1-2km NW	Heard	1	Explosion	Undetermined	N/K	28-Apr, 13:21
	1-2km W	Heard	1	Explosion	Undetermined	N/K	28-Apr, 13:35
	2-4km NW	Heard	1	Explosion	Undetermined	N/K	28-Apr, 13:43
	1-2km SW	Heard	9	Shot		Small arms	28-Apr, 14:01-14:07
	1-2km SW	Heard	2	Burst		Small arms	28-Apr, 14:01-14:07
	1-2km NW	Heard	31	Shot		Small arms	28-Apr, 14:18-14:21
	1-2km NW	Heard	17	Burst		Small arms	28-Apr, 14:18-14:21
	1-2km NW	Heard	5	Shot		Small arms	28-Apr, 14:24-14:25
	1-2km NW	Heard	4	Burst		Small arms	28-Apr, 14:34-14:35
	2-4km NW	Heard	1	Explosion	Undetermined	N/K	28-Apr, 14:40
Yasne (non-government-controlled, 30km SW of Donetsk)	1-1.5km W	Heard	1	Explosion	Undetermined	N/K	28-Apr, 10:50
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	28-Apr, 11:36
	1km SW	Heard	1	Explosion	Undetermined	N/K	28-Apr, 13:17
About 1.5km ENE of Berezove (government-controlled, 31km SW of Donetsk)	N/K SSW	Heard	1	Explosion	Undetermined	N/K	28-Apr, 11:37
	1.5-2km SE	Heard and saw	1	Explosion	Undetermined	Mortar (type N/K)	28-Apr, 13:18
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	3-4km S	Heard	1	Explosion	Undetermined	N/K	28-Apr, 10:48
	3-4km S	Heard	1	Explosion	Undetermined	N/K	28-Apr, 12:18
	2-3km S	Heard	1	Explosion	Undetermined	N/K	28-Apr, 12:31
	2-3km S	Heard	1	Explosion	Undetermined	N/K	28-Apr, 12:58
	3-4km S	Heard	1	Explosion	Undetermined	N/K	28-Apr, 13:43
About 2km SE of Avdiivka (government-controlled, 17km N of Donetsk)	2-3km SE	Heard	1	Explosion	Undetermined	N/K	28-Apr, 12:18
	2-3km SE	Heard	1	Explosion	Undetermined	N/K	28-Apr, 12:31
About 1km SW of Novoluhanske (government-controlled, 53km NE of Donetsk)	1km SW	Heard	2	Burst		Small arms	28-Apr, 09:49
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km S	Heard	1	Explosion	Undetermined	N/K	27-Apr, 21:01
	2-3km SSE	Heard	2	Burst		HMG	27-Apr, 22:37
	3-5km SSW	Heard	4	Explosion	Undetermined	N/K	27-Apr, 23:12-23:15
	3-5km SSW	Heard	4	Explosion	Undetermined	N/K	27-Apr, 23:20-23:23

	3-5km SSW	Heard	4	Explosion	Undetermined	N/K	27-Apr, 23:25
	3-5km SSW	Heard	5	Explosion	Undetermined	N/K	27-Apr, 23:33
	3-5km SSW	Heard	2	Explosion	Undetermined	N/K	27-Apr, 23:36
	3-5km SSW	Heard	2	Explosion	Undetermined	N/K	27-Apr, 23:38
	3-5km SSW	Heard	4	Explosion	Undetermined	N/K	27-Apr, 23:44-23:45
	3-5km SW	Heard	3	Explosion	Undetermined	N/K	27-Apr, 23:48-23:49
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	3-4km S	Recorded	1	Explosion	Undetermined	N/K	27-Apr, 22:33
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	3-5km ESE	Recorded	17	Projectile	SW to NE (assessed as outside the disengagement area near Zolote)	N/K	27-Apr, 21:45
	3-5km ESE	Recorded	3	Projectile	WSW to ENE (assessed as outside the disengagement area near Zolote)	N/K	27-Apr, 21:50
	3-5km ESE	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	27-Apr, 22:13
	3-5km ESE	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	27-Apr, 22:38
	3-5km ESE	Recorded	3	Projectile	SW to NE (assessed as outside the disengagement area near Zolote)	N/K	28-Apr, 00:08
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	3-6km ENE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	27-Apr, 21:03
	2-5km ENE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	27-Apr, 21:29
	2-5km E	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	27-Apr, 21:30
	4-6km E	Recorded	6	Projectile	N to S (assessed as outside the disengagement area )	N/K	27-Apr, 21:31
	2-5km E	Recorded	1	Projectile	N to S (assessed as outside the disengagement area )	N/K	27-Apr, 21:32
	2-5km E	Recorded	12	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	27-Apr, 21:32

	2-5km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	27-Apr, 21:33
	2-5km E	Recorded	5	Projectile	N to S (assessed as outside the disengagement area)	N/K	27-Apr, 21:34
	4-6km E	Recorded	4	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	27-Apr, 21:34
	4-6km E	Recorded	1	Projectile	N to S (assessed as outside the disengagement area)	N/K	27-Apr, 21:42
	4-6km E	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	27-Apr, 21:42
	4-6km E	Recorded	4	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	27-Apr, 21:43
	4-6km E	Recorded	6	Projectile	N to S (assessed as outside the disengagement area)	N/K	27-Apr, 21:43
	4-6km E	Recorded	2	Projectile	S to N (assessed as outside the disengagement area)	N/K	27-Apr, 21:43
	4-6km E	Recorded	4	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	27-Apr, 21:44
	4-6km ENE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	27-Apr, 21:52
	4-6km ENE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	27-Apr, 21:53
	4-6km E	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	27-Apr, 22:21
	4-6km E	Recorded	3	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	27-Apr, 22:22
	4-6km E	Recorded	1	Projectile	N to S (assessed as outside the disengagement area )	N/K	27-Apr, 22:22

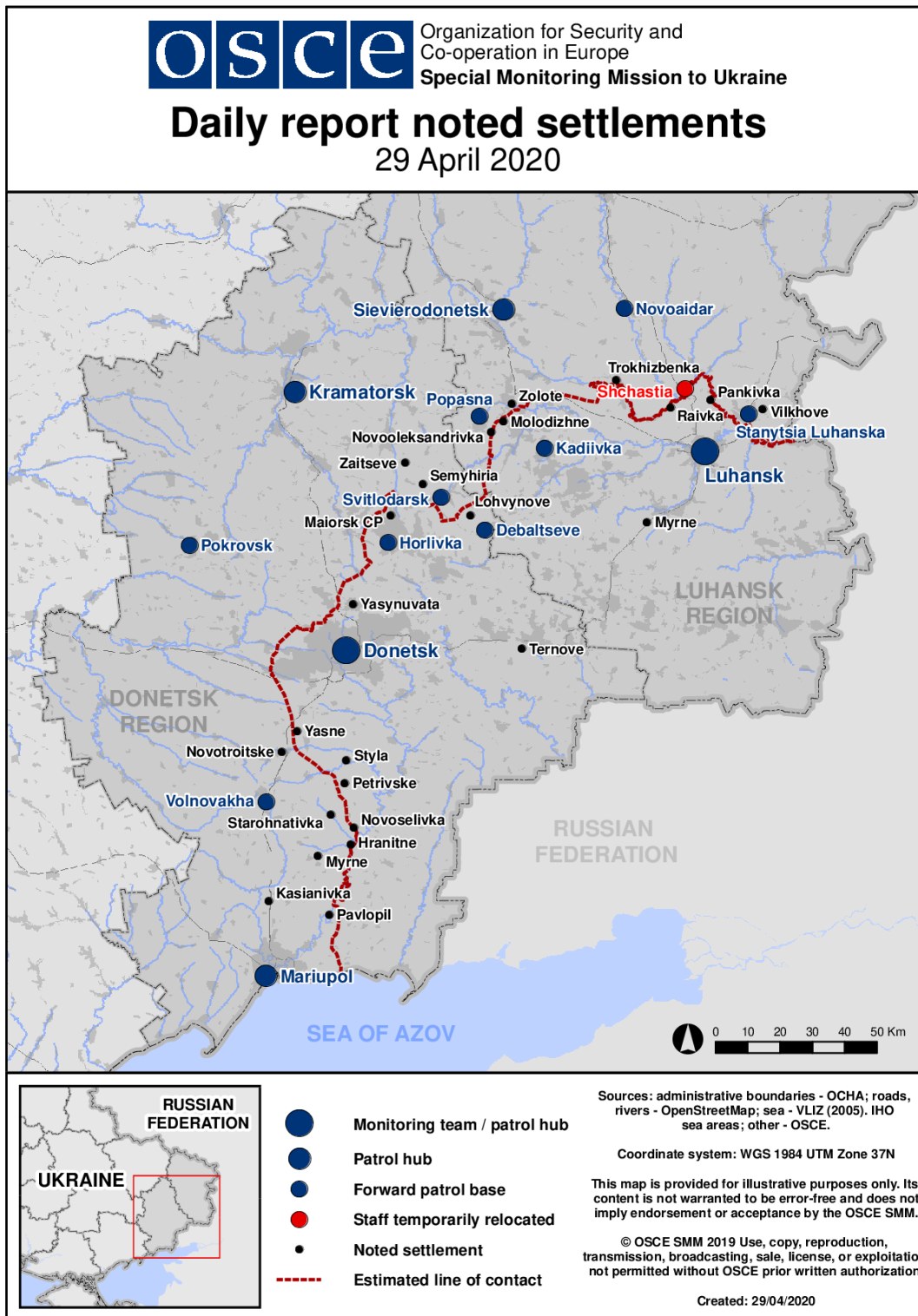
	4-6km E	Recorded	1	Muzzle flash	Assessed as outside the disengagement area	N/K	28-Apr, 00:20
	4-6km E	Recorded	5	Projectile	N to S (assessed as outside the disengagement area)	N/K	28-Apr, 00:20
	4-6km E	Recorded	5	Projectile	N to S (assessed as outside the disengagement area)	N/K	28-Apr, 00:40
	4-6km E	Recorded	3	Projectile	N to S (assessed as outside the disengagement area)	N/K	28-Apr, 00:41
	2-5km E	Recorded	3	Projectile	N to S (assessed as outside the disengagement area)	N/K	28-Apr, 01:15
	2-5km E	Recorded	2	Projectile	N to S (assessed as outside the disengagement area)	N/K	28-Apr, 02:21
	2-5km E	Recorded	1	Projectile	N to S (assessed as outside the disengagement area)	N/K	28-Apr, 02:47
N edge of Popasna (government-controlled, 69km W of Luhansk)	5-8km E	Heard	11	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	27-Apr, 18:50-19:20
NE edge of Popasna (government-controlled, 69km W of Luhansk)	5-8km ESE	Heard	1	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	28-Apr, 10:29
E edge of Popasna (government-controlled, 69km W of Luhansk)	2-3km NE	Heard	3	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	28-Apr, 14:21
	1-2km NE	Heard	25	Shot	Assessed as outside the Zolote disengagement area	Small arms	28-Apr, 14:27-14:28
About 500m N of Pervomaisk (non-government-controlled, 58km W of Luhansk)	5-7km NE	Heard	3	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	28-Apr, 10:02-10:17
	4-6km W	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	28-Apr, 10:02-10:17
	4-6km WNW	Heard	5	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	28-Apr, 10:28-10:38

	5-7km NE	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	28-Apr, 10:43-11:03
	4-6km SW	Heard	5	Burst	Undetermined (assessed as outside the disengagement area)	HMG	28-Apr, 10:43-11:03
SW edge of Zolote-5/Mykhailivka (non-government-controlled, 58km W of Luhansk)	3-4km NE	Heard	13	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	28-Apr, 11:26-11:40
	3-4km NW	Heard	13	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	28-Apr, 11:26-11:40
1km SW of Berezivske (non-government-controlled, 53km NW of Luhansk)	1.5-2km WNW	Heard	4	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	28-Apr, 11:48-11:56
	3-4km NE	Heard	4	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	28-Apr, 11:48-11:56
2km SW of Berezivske (non-government-controlled, 53km NW of Luhansk)	1-2km NW	Heard and saw	4	Explosion	Impact (assessed as outside the Zolote disengagement area)	Mortar (type N/K)	28-Apr, 11:58-12:43
	1-2km NW	Heard and saw	7	Explosion	Outgoing (assessed as outside the Zolote disengagement area)	Mortar (type N/K)	28-Apr, 11:58-12:43
	4-5km N	Heard	25	Burst	Assessed as outside the Zolote disengagement area	HMG	28-Apr, 11:58-12:43
	4-5km N	Heard	46	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	28-Apr, 11:58-12:43
	1-2km NW	Heard and saw	1	Explosion	Impact (assessed as outside the Zolote disengagement area)	Mortar (type N/K)	28-Apr, 12:44-13:04
	1-2km NW	Heard and saw	2	Explosion	Outgoing (assessed as outside the Zolote disengagement area)	Mortar (type N/K)	28-Apr, 12:44-13:04
	4-5km N	Heard	12	Burst	Assessed as outside the	HMG	28-Apr, 12:44-13:04

					Zolote disengagement area		
	4-5km N	Heard	20	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	28-Apr, 12:44-13:04
SW edge of Trokhizbenka (government-controlled, 32km NW of Luhansk)	1-3km N	Heard	4	Burst	Assessed as live-fire exercise	Small arms	28-Apr, 12:47
About 2km SW of Molodizhne (non-government-controlled, 63km W of Luhansk)	2-3km WNW	Heard	10	Burst		Small arms	28-Apr, 14:30
SE edge of Luhansk city (non-government-controlled)	3-4km SSE	Heard	50	Burst	Assessed as live-fire exercise	Small arms	28-Apr, 13:50-14:25



### 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).