



Daily Report 111/2020

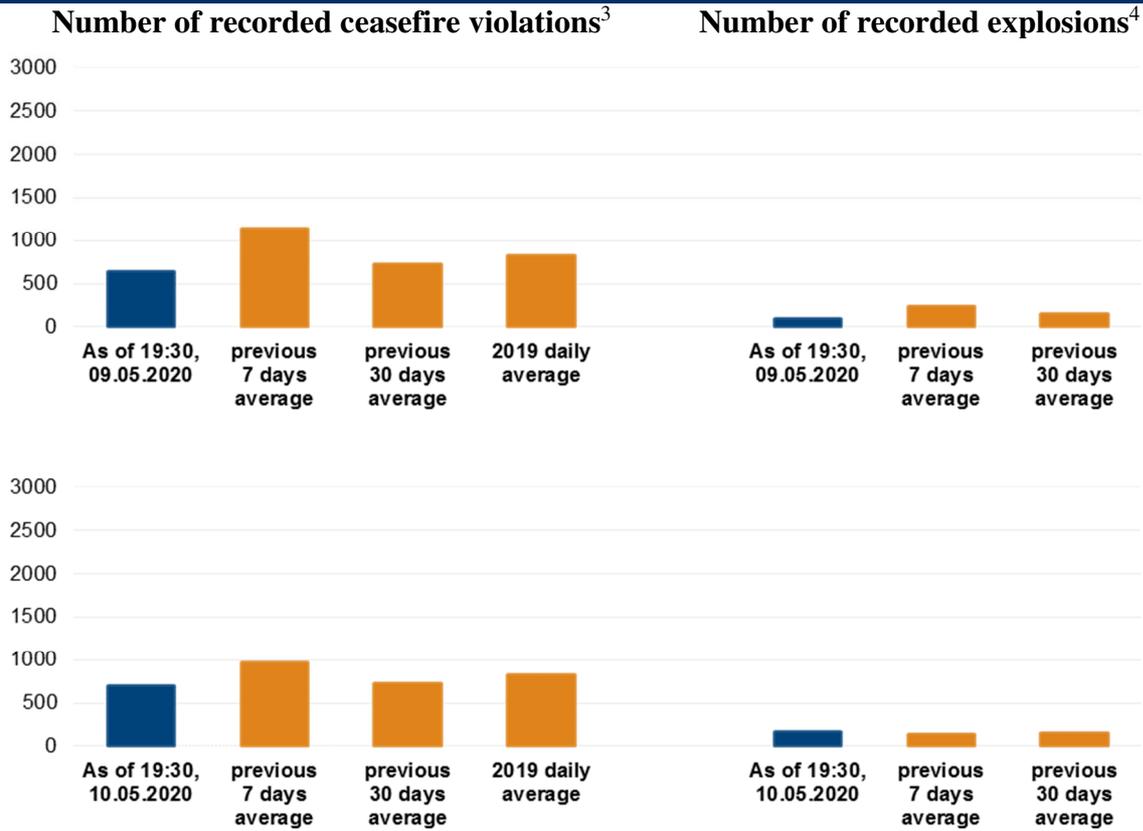
11 May 2020¹

Summary

- Compared with the previous reporting period, between the evenings of 8 and 9 May, the SMM recorded more ceasefire violations in Donetsk region and fewer in Luhansk region.
- Between the evenings of 9 and 10 May, the Mission recorded fewer ceasefire violations in Donetsk region and more in Luhansk region, compared with the previous 24 hours.
- Small-arms fire was assessed as aimed at an SMM mini-unmanned aerial vehicle flying near Shymshynivka, 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 and Zolote.
- Inside the Petrivske disengagement area, the SMM recorded ceasefire violations.
- The SMM continued following up on the situation of civilians amid the COVID-19 outbreak, including at entry-exit checkpoints and their corresponding checkpoints in Donetsk and Luhansk regions.
- The Mission monitored events commemorating Victory Day and Remembrance and Reconciliation Day throughout Ukraine.
- The SMM observed a calm situation in south-east Kherson region.
- The SMM's freedom of movement continued to be restricted in non-government-controlled areas of both Donetsk and Luhansk regions, including at checkpoints of the armed formations and at a heavy weapons holding area.*

¹ Based on information from the Monitoring Teams as of 19:30, 10 May 2020. All times are in Eastern European Summer Time.

Ceasefire violations²

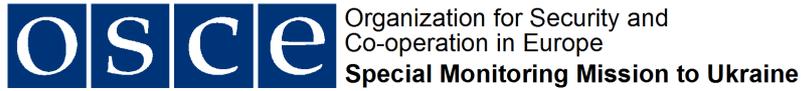


² For a complete breakdown of ceasefire violations, please see the annexed table. During the reporting period, the SMM camera in Petrivske was not operational.

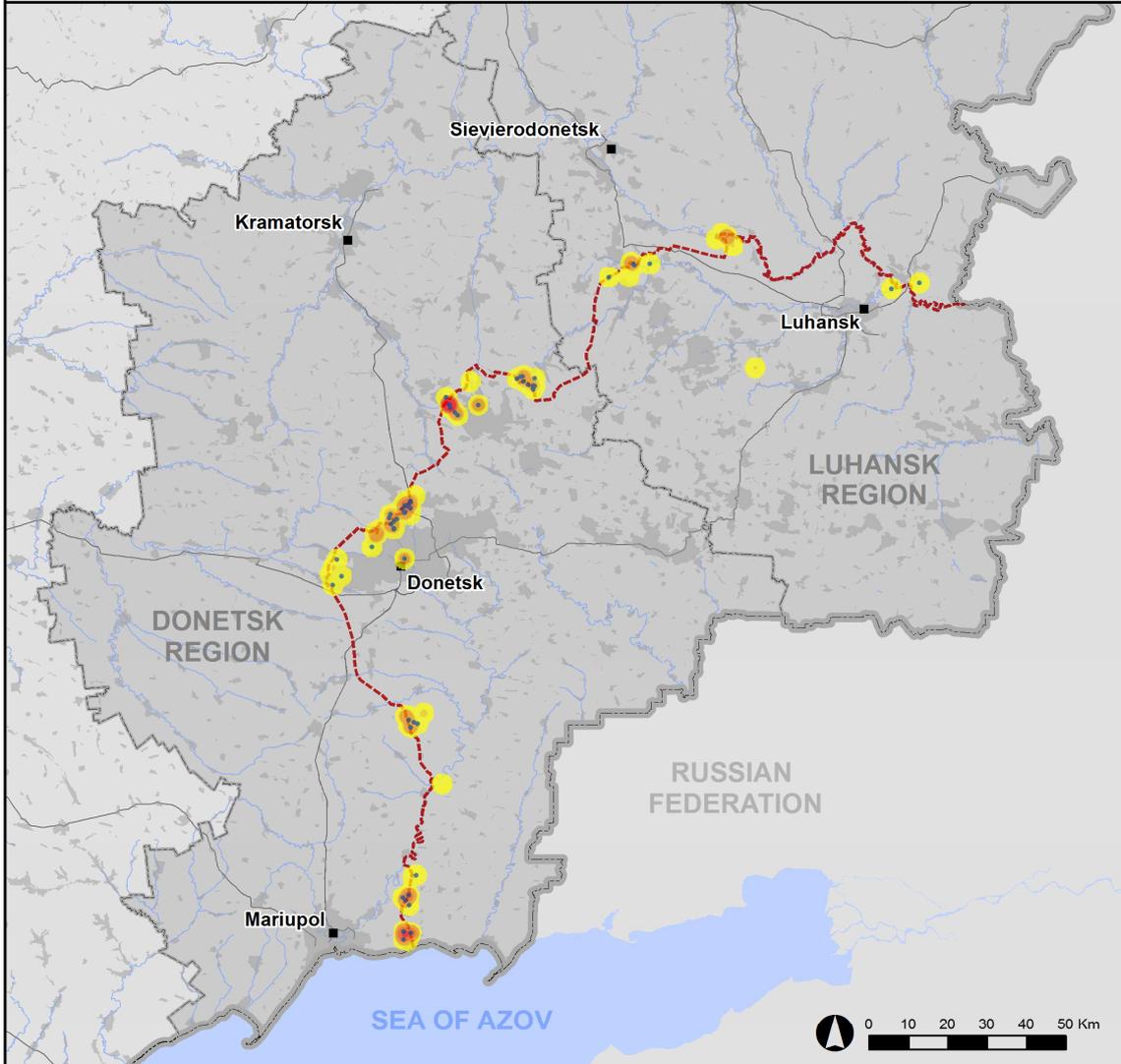
³ Including explosions.

⁴ Including from unidentified weapons.

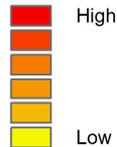
Map of recorded ceasefire violations



Ceasefire violations observed by the SMM 9-10 May 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: 11/05/2020

In Donetsk region, between the evenings of 8 and 9 May, the SMM recorded more ceasefire violations, including more explosions (about 75), compared with the [previous reporting period](#) (about 65 explosions). The majority of ceasefire violations were recorded in areas north-west of Zalizne (formerly Artemove, government-controlled, 42km north-east of Donetsk), in areas north and north-east of Shyrokyne (government-controlled, 100km south of Donetsk) and in areas south-east of Hnutove (government-controlled, 90km south of Donetsk).

Between the evenings of 9 and 10 May, the Mission recorded fewer ceasefire violations, including, however, more explosions (about 165), compared with the previous 24 hours. The majority of ceasefire violations, including the majority of explosions, were recorded in areas north and north-east of Shyrokyne, in areas near the Donetsk Filtration Station (DFS) (15km north of Donetsk) and in areas north-east and north-west of Horlivka (non-government-controlled, 39km north-east of Donetsk).

In Luhansk region, between the evenings of 8 and 9 May, the SMM recorded fewer ceasefire violations, including fewer explosions (19), compared with the [previous reporting period](#) (40 explosions). The majority of ceasefire violations, including the majority of explosions, were recorded at north-easterly and south-westerly directions of the disengagement area near Zolote (government-controlled, 60km west of Luhansk) (see below).

Between the evenings of 9 and 10 May, the Mission recorded more ceasefire violations, including, however, fewer explosions (one), compared with the previous 24 hours. The majority of ceasefire violations were recorded in areas south and south-west of Kriakivka (government-controlled, 38km north-west of Luhansk).

Small-arms fire assessed as directed at SMM mini-UAVs in Shymshynivka

On 10 May, while conducting a mini-unmanned aerial vehicle (UAV) flight over a training area near Shymshynivka (non-government-controlled, 27km south-west of Luhansk), the SMM heard seven shots of small-arms fire at an assessed distance of about 400m west-north-west, assessed as targeting its UAV, which was flying about 430m west-north-west. The SMM safely landed its UAV and left the area.*

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

Members of the armed formations continued to deny the SMM 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.⁵

In Donetsk region, on 10 May, at a checkpoint near Oleksandrivka (non-government-controlled, 20km south-west of Donetsk), a member of the armed formations denied the SMM passage towards non-government-controlled areas, referring to the closure of the checkpoint due to COVID-19. The SMM again saw that the road was blocked by metal obstacles and a pile of tyres.*

⁵ 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.

In Luhansk region, at a checkpoint south of the Stanytsia Luhanska bridge (15km north-east of Luhansk), a member of the armed formations denied the SMM passage towards non-government-controlled areas on 9 May and towards government-controlled areas on 10 May, referring to the closure of the checkpoint due to COVID-19.*

Disengagement areas near Stanytsia Luhanska, Zolote and Petrivske⁶

On 9 and 10 May, inside the **disengagement area near Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk), the SMM saw members of the armed formations (wearing armbands with “JCCC” written on them) near their checkpoint south of the new span of the Stanytsia Luhanska bridge.

On the night of 8-9 May, while on the eastern edge of Stanytsia Luhanska, the Mission heard two undetermined explosions at an assessed range of 3-5km south-east. During the day on 10 May, while positioned at the same location, the Mission heard an undetermined explosion at an assessed range of 5-7km south-west. All these ceasefire violations were assessed as outside the disengagement area but within 5km of its periphery.

On the evening and night of 8-9 May, the SMM camera in Zolote recorded 32 projectiles in flight and a muzzle flash, all at an assessed range of 3-5km east. During the day on 9 May, while positioned at three locations close to the disengagement area, the SMM heard 16 undetermined explosions and heard and saw an explosion assessed as an impact. On the evening of 9 May, the SMM camera in Zolote recorded an illumination flare at an assessed range of 3-5km south-east. All these ceasefire violations were assessed as outside **the disengagement area near Zolote** but within 5km of its periphery.

On 9 and 10 May, inside the disengagement area, the SMM saw members of the armed formations (wearing armbands with “JCCC” written on them) on road T-1316, about 350m north of the area’s southern edge. On 10 May, it also saw members of the armed formations (wearing armbands with “JCCC” written on them) on its southern edge.

On the evening and night of 8-9 May, the SMM camera in Bohdanivka (government-controlled, 41km south-west of Donetsk) recorded 35 projectiles in flight at an assessed range of 1-3km east and east-south-east and assessed as inside **the disengagement area near Petrivske** (non-government-controlled, 41km south of Donetsk). It also recorded an undetermined explosion at an assessed range of 3-5km south-east and assessed as outside the disengagement area, as well as five projectiles in flight at an assessed range of 2-5km south-east, which it was unable to assess as inside or outside the disengagement area.

On the night of 9-10 May, the SMM camera in Bohdanivka recorded two undetermined explosions, three projectiles in flight and five illumination flares, all at an assessed range of 2-3km east and east-south-east and assessed as inside the disengagement area. It also recorded an undetermined explosion and an illumination flare at an assessed range of 3-5km east-south-east, which it was unable to assess as inside or outside the disengagement area. The same camera recorded six undetermined explosions and 33 projectiles in flight, all at an assessed range of 3-6km east-south-east and south-east and assessed outside the disengagement area but within 5km of its periphery.

⁶ Disengagement is foreseen in the Framework Decision of the Trilateral Contact Group relating to disengagement of forces and hardware of 21 September 2016.

On 9 May, while positioned at two locations near the disengagement area, the Mission observed a calm situation. On 10 May, while positioned about 2km north of Petrivske, the Mission heard nine shots of small-arms fire at an assessed distance of 2km east-south-east and assessed as outside the disengagement area but within 5km of its periphery.

Withdrawal of weapons

The SMM continued to monitor the withdrawal of weapons in implementation of the Memorandum and the Package of Measures and its Addendum. It saw six towed howitzers in violation of withdrawal lines in non-government-controlled Luhansk city.

The Mission saw two mortars beyond withdrawal lines but outside designated storage sites in a government-controlled area of Luhansk region (for details, see the table below).

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

The SMM observed armoured personnel carriers and an anti-aircraft gun in the security zone in government-controlled areas of Donetsk and Luhansk regions, as well as armoured combat vehicles in non-government-controlled areas of Donetsk region (for further details, see the table below).

Presence of mine hazard signs

On 9 May, about 1km south-west of Vozdvyzhenka (formerly Krasnyi Pakhar, government-controlled, 66km north-east of Donetsk), the SMM saw for the first a mine hazard sign with “Caution, Mines” written on it in Cyrillic on the side of a local road.

On 10 May, on the south-western outskirts of Popasna (government-controlled, 69km west of Luhansk), the Mission saw for the first time a mine hazard sign on road T-0504 – a yellow metal plate with “Attention! Entrance to the territory is forbidden. Danger. Mines” written on it in Ukrainian.

SMM facilitation of operation of critical civilian infrastructure

On 9 and 10 May, the SMM continued to facilitate the operation of the DFS. On 9 May, while positioned at one location near the station, the Mission heard shots of small-arms fire. On 10 May, while positioned at two locations near the station, the SMM heard an undetermined explosion and shots and bursts of heavy machine gun and small-arms fire. All these ceasefire violations were assessed as within a 5km radius of the DFS (see the table below).

Measures taken at entry-exit checkpoints and corresponding checkpoints to counter COVID-19 outbreak

In Donetsk region, on 9 May, while positioned at a checkpoint of the armed formations on the boundary line between Luhansk and Donetsk regions east of Debaltseve (non-government-controlled, 58km north-east of Donetsk), the SMM saw a military-style covered cargo truck travelling through the checkpoint towards Donetsk region, as well as a civilian covered cargo truck with Ukrainian licence plates and a car (plates not visible) entering the

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

checkpoint towards Donetsk region. The SMM also saw that the checkpoint on the boundary line between Luhansk and Donetsk north of Nikishyne (non-government-controlled, 60km north-east of Donetsk) remained closed.

On 10 May, the SMM noted that the entry-exit checkpoint (EECP) near Marinka (government-controlled, 23km south-west of Donetsk), as well as the corresponding checkpoints of the armed formations near Oleksandrivka remained closed.*

In Luhansk region, on 9 and 10 May, 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.*

Events marking Victory Day and Remembrance and Reconciliation Day

On 8 May, in Odessa, the SMM observed about 90 people (mixed genders and ages), including representatives of different religious denominations and people wearing insignias of various movements, laying flowers at the Unknown Sailor Monument in Shevchenko Park in remembrance of World War II victims. The SMM saw 16 police officers securing the gathering, which dispersed peacefully.

On 9 May, in Odessa, the Mission observed a gathering of up to 400 people (mixed genders and ages), including representatives of various movements, gathered at the Ally of Glory and the Unknown Sailor Monument. The SMM also saw about 40 people (mixed genders and ages) laying flowers at the 10th of April Monument. Throughout the day, the SMM saw about 150 police officers securing the area. On four occasions, the SMM saw skirmishes between individual participants of the event and police intervening and subsequently removing two men from the area. At the end of the event, the Mission saw police closing off the area to sanitize it.

In Dnipro, the SMM observed three motorcades (with about 200 people in total) in front of the central railway station, in front of the circus building at 33 Sicheslavska Naberezhna Street, as well as in front of Festyvalnyi Prychal, with some participants holding red balloons, Ukrainian flags and signs that read “75 years after the great victory”. The SMM saw police vehicles present at all these locations. It also saw that the access to the Monument of Eternal Glory was being restricted with metal fences, with groups of only 10-20 persons being allowed to lay flowers at a time. The Mission additionally saw about 50 police and National Guard officers near the monument.

In Lviv, the Mission saw five men (mixed ages) and a woman (in her eighties) laying flowers at the Hill of Glory on Pasichna Street. The Mission also saw a group of about 20 men and a woman (all in their twenties) standing at the entrance to the memorial site.

In Kherson, the SMM observed about 50 people (mixed genders and ages), including representatives of a political party, laying flowers at the Eternal Flame monument at the Park of Glory. Throughout the event, the SMM saw about 20 police officers present and observed a calm situation.

Also on 9 May, on the north-eastern outskirts of non-government-controlled Luhansk city, the SMM observed around 300 civilian cars moving in a convoy and some of the drivers holding flags of the Russian Federation as well as flags associated with “LPR”, “DPR”,

“Novorossia”. On the same evening, the Mission saw six towed howitzers near the stadium in Luhansk city centre.

On the evening of 9 May, while positioned in non-government-controlled Donetsk city centre, the SMM heard 25 outgoing explosions assessed as part of the celebrations held in Shcherbakova Park.

Security situation in south-east Kherson region

On 9 May, the SMM observed a calm situation in south-east Kherson region, at a Ukrainian State Border Guard Service security post in Valok (188km south-east of Kherson), at the checkpoints near Kalanchak (67km south-east of Kherson) and near Chaplynka (77km south-east of Kherson), between Kherson region and Crimea.

The Mission continued monitoring in Ivano-Frankivsk, Kharkiv, 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:⁸

- On 9 and 10 May, 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 non-government- and government-controlled areas, respectively, referring to the closure of the checkpoint due to COVID-19.
- On 10 May, members of the armed formations personnel at a heavy weapons holding area in a non-government-controlled area of Donetsk region denied the SMM entry into the compound, referring to orders from superiors.
- On 10 May, at a checkpoint near Oleksandrivka (non-government-controlled, 20km south-west of Donetsk), a member of the armed formations [again](#) denied the SMM passage towards non-government-controlled areas, referring to the closure of the checkpoint due to COVID-19.

Regular restrictions related to disengagement areas and mines/UXO:

⁸ The restriction recorded on 8 May in Horlivka (non-government-controlled, 39km north-east of Donetsk) should have been listed as a denial of access.

- 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.

Delay:

- On 9 May, at a checkpoint north-east of Ozerianivka (non-government-controlled, 35km north-east of Donetsk), two members of the armed formations allowed the SMM passage only after about 50 minutes of waiting, referring to ongoing engineering works in the area. During its stay, the SMM saw civilian traffic passing through the checkpoint towards the village.

Other impediments:

- On 9 May, an SMM mini-UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying over areas near Sakhanka (non-government-controlled, 97km south of Donetsk).
- On 10 May, an SMM mini-UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying over non-government-controlled areas near Yasynuvata (16km north-east of Donetsk) and Mineralne (10km north-east of Donetsk).
- On 10 May, while conducting a mini-UAV flight over the northern outskirts of Shymshynivka (non-government-controlled, 27km south-west of Luhansk), the SMM heard shots of small-arms fire assessed as aimed at its UAV (see above).

Table of weapons

Weapons in violation of withdrawal lines

Date	No. of weapons	Type of weapon	Location	Source of observation
Non-government-controlled areas				
09/05/2020	6	Towed howitzer (type undetermined)	In Luhansk city centre	Patrol

Weapons beyond withdrawal lines but outside designated storage sites

Date	No. of weapons	Type of weapon	Location	Source of observation
Government-controlled areas				
10/05/2020	2	Mortar (type undetermined)	Near Oknyne (53km north-west of Luhansk)	Patrol

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

Date	No.	Type	Location	Source of observation
Government-controlled areas				
09/05/2020	2	Armoured personnel carrier (MT-LB)	Near Vozdvyzhenka (formerly Krasnyi Pakhar, 66km north-east of Donetsk)	Patrol
10/05/2020	2	Armoured personnel carrier	Near Novozvanivka (70km west of Luhansk)	
	1	Anti-aircraft gun (ZU-23, 23mm)	Near Vershyna (63km north-east of Donetsk)	
Non-government-controlled areas				
08/05/2020	4	Armoured combat vehicle	In Horlivka (39km north-east of Donetsk)	Mini-UAV
10/05/2020	1	Infantry fighting vehicle (BMP-1)	In Yasynuvata (16km north-east of Donetsk)	Patrol

⁹ 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 10 May 2020¹⁰

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	1	Projectile	NW to SE (also recorded by the SMM camera at Oktiabr mine)	N/K	8-May, 21:28
	2-3km ESE	Recorded	1	Projectile	SSW to NNE (also recorded by the SMM camera at Oktiabr mine)	N/K	8-May, 21:29
	3-5km SE	Recorded	5	Explosion	Undetermined	N/K	8-May, 21:38
	3-5km SE	Recorded	5	Explosion	Undetermined	N/K	8-May, 21:39
	2-3km ESE	Recorded	6	Projectile	N to S	N/K	8-May, 21:45
	2-3km ESE	Recorded	2	Muzzle flash		N/K	8-May, 21:45
	2-4km ESE	Recorded	1	Projectile	N to S	N/K	9-May, 00:26
	2-4km E	Recorded	2	Projectile	SSW to NNE	N/K	9-May, 00:47
	2-4km ESE	Recorded	2	Projectile	N to S	N/K	9-May, 01:17
	2-4km ESE	Recorded	2	Projectile	N to S	N/K	9-May, 01:18
	2-4km ESE	Recorded	1	Projectile	N to S (also recorded by the SMM camera in Oktiabr Mine)	N/K	9-May, 01:49
SMM camera 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	1-2km E	Recorded	4	Projectile	NNE to SSW (assessed as inside the Petrivske disengagement area)	N/K	8-May, 20:56
	1-2km E	Recorded	7	Projectile	NNE to SSW (assessed as inside the Petrivske disengagement area)	N/K	8-May, 20:57
	2-3km ESE	Recorded	1	Projectile	NNE to SSW (assessed as inside the Petrivske disengagement area)	N/K	8-May, 20:59
	1-2km E	Recorded	7	Projectile	NNE to SSW (assessed as inside the Petrivske disengagement area)	N/K	8-May, 21:48
	3-5km SE	Recorded	1	Explosion	Undetermined (assessed as outside the Petrivske disengagement area)	N/K	8-May, 21:48
	2-3km ESE	Recorded	2	Projectile	NNE to SSW (assessed as	N/K	8-May, 21:57

¹⁰ 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.

					inside the Petrivske disengagement area)		
	1-2km E	Recorded	5	Projectile	NNW to SSE (assessed as inside the Petrivske disengagement area)	N/K	8-May, 23:17
	2-4km SE	Recorded	5	Projectile	NNE to SSW (unable to assess as inside or outside the Petrivske disengagement area)	N/K	9-May, 00:06
	1-2km E	Recorded	5	Projectile	NNE to SSW (assessed as inside the Petrivske disengagement area)	N/K	9-May, 02:11
	1-2km E	Recorded	4	Projectile	NNW to SSE (assessed as inside the Petrivske disengagement area)	N/K	9-May, 03:01
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	0.8-1km S	Recorded	1	Explosion	Undetermined	N/K	9-May, 00:48
	0.8-1km S	Recorded	1	Projectile	SSE to NNW	N/K	9-May, 00:55
	0.8-1km S	Recorded	1	Muzzle flash		N/K	9-May, 00:55
	500-700m S	Recorded	1	Explosion	Undetermined	N/K	9-May, 01:02
	3-5km S	Recorded	1	Projectile	In vertical flight	N/K	9-May, 01:17
	3-5km SSW	Recorded	5	Projectile	In vertical flight	N/K	9-May, 03:20
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	3-5km SE	Recorded	17	Projectile	SSW to NNE	N/K	8-May, 22:43
	3-5km ESE	Recorded	4	Projectile	SSW to NNE	N/K	8-May, 22:47
	3-5km ESE	Recorded	1	Muzzle flash		N/K	8-May, 22:48
	3-5km SE	Recorded	4	Projectile	SW to NE	N/K	8-May, 22:51
	3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	8-May, 22:58
	3-5km SE	Recorded	7	Projectile	NNE to SSW	N/K	8-May, 23:11
	3-5km SE	Recorded	7	Projectile	NNE to SSW	N/K	8-May, 23:12
	3-5km ESE	Recorded	7	Muzzle flash		N/K	8-May, 23:24
	3-5km ESE	Recorded	7	Projectile	NNE to SSW (subsequent to previous event)	N/K	8-May, 23:24
	3-5km ESE	Recorded	7	Projectile	SW to NE	N/K	8-May, 23:27
	3-5km ESE	Recorded	2	Projectile	In vertical flight	N/K	8-May, 23:27
	3-5km ESE	Recorded	19	Projectile	SW to NE	N/K	8-May, 23:29
	3-5km ESE	Recorded	4	Projectile	In vertical flight	N/K	8-May, 23:29
	3-5km ESE	Recorded	14	Projectile	SW to NE	N/K	8-May, 23:30
	3-5km ESE	Recorded	1	Projectile	In vertical flight	N/K	8-May, 23:30
	3-5km ESE	Recorded	1	Muzzle flash		N/K	8-May, 23:30
	3-5km ESE	Recorded	4	Projectile	SW to NE	N/K	8-May, 23:31
	3-5km SE	Recorded	1	Muzzle flash		N/K	8-May, 23:33
	3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	8-May, 23:34
	3-5km ESE	Recorded	1	Muzzle flash		N/K	8-May, 23:34
	3-5km ESE	Recorded	1	Projectile	In vertical flight (subsequent to previous event)	N/K	8-May, 23:34
	3-5km ESE	Recorded	4	Projectile	In vertical flight	N/K	8-May, 23:46
	3-5km ESE	Recorded	5	Projectile	SW to NE	N/K	8-May, 23:46
3-5km SE	Recorded	1	Projectile	SW to NE	N/K	9-May, 00:05	

	2-4km SE	Recorded	1	Projectile	WSW to ENE	N/K	9-May, 00:09
	2-4km SE	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	9-May, 00:09
	3-5km SE	Recorded	1	Projectile	WSW to ENE	N/K	9-May, 00:10
	3-5km SE	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	9-May, 00:10
	3-5km SE	Recorded	1	Projectile	WSW to ENE	N/K	9-May, 00:10
	2-4km SE	Recorded	2	Projectile	WSW to ENE	N/K	9-May, 00:11
	2-4km SE	Recorded	1	Projectile	WSW to ENE	N/K	9-May, 00:11
	2-4km SE	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	9-May, 00:11
	2-4km SE	Recorded	1	Muzzle flash		N/K	9-May, 00:11
	2-4km SE	Recorded	1	Projectile	WSW to ENE (subsequent to previous event)	N/K	9-May, 00:11
	2-4km SE	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	9-May, 00:11
	2-5km ESE	Recorded	2	Projectile	SW to NE	N/K	9-May, 00:49
SMM camera at Oktiabr Mine (non-government-controlled, 9km NW of Donetsk city centre)	4-6km NNE	Recorded	1	Explosion	Undetermined (also recorded by the SMM camera in Avdiivka)	N/K	8-May, 22:57
	2-4km NE	Recorded	1	Projectile	W to E	N/K	8-May, 23:06
	2-4km NE	Recorded	3	Projectile	W to E	N/K	8-May, 23:07
	4-6km NE	Recorded	1	Explosion	Undetermined (also recorded by the SMM camera in Avdiivka)	N/K	9-May, 01:17
	4-6km NE	Recorded	1	Explosion	Undetermined (also recorded by the SMM camera in Avdiivka)	N/K	9-May, 01:18
	4-6km NNE	Recorded	5	Projectile	In vertical flight	N/K	9-May, 03:20
	4-6km NNE	Recorded	13	Projectile	In vertical flight (also recorded by the SMM camera in Avdiivka)	N/K	9-May, 03:20
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	4-6km NNE	Recorded	5	Projectile	E to W	N/K	8-May, 21:27
	4-6km NNE	Recorded	2	Projectile	E to W	N/K	8-May, 21:28
	4-6km NNE	Recorded	3	Projectile	E to W	N/K	8-May, 21:29
	4-6km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	8-May, 21:33
	4-6km N	Recorded	3	Projectile	In vertical flight	N/K	8-May, 21:46
	4-6km N	Recorded	14	Projectile	In vertical flight	N/K	8-May, 21:49
	4-6km N	Recorded	7	Projectile	In vertical flight	N/K	8-May, 21:50
	4-6km NNE	Recorded	2	Projectile	E to W	N/K	8-May, 21:50
	4-6km NNE	Recorded	2	Projectile	W to E	N/K	8-May, 21:50
	4-6km NNE	Recorded	12	Projectile	E to W	N/K	8-May, 21:54
	4-6km NNE	Recorded	29	Projectile	In vertical flight	N/K	8-May, 22:06
	4-6km NNE	Recorded	5	Muzzle flash		N/K	8-May, 22:30
	4-6km NNE	Recorded	6	Projectile	E to W	N/K	8-May, 22:44
	4-6km NNE	Recorded	1	Projectile	E to W	N/K	8-May, 22:45
	4-6km N	Recorded	3	Muzzle flash		N/K	8-May, 22:46
	4-6km N	Recorded	8	Projectile	E to W	N/K	8-May, 22:46
	4-6km N	Recorded	5	Projectile	E to W	N/K	8-May, 22:47
	4-6km NNE	Recorded	1	Projectile	E to W	N/K	8-May, 22:48
	4-6km NNE	Recorded	2	Muzzle flash		N/K	8-May, 22:48
	4-6km NNE	Recorded	5	Muzzle flash		N/K	8-May, 22:49
4-6km NNE	Recorded	2	Explosion	Undetermined	N/K	8-May, 22:49	

	4-6km NNE	Recorded	1	Projectile	E to W	N/K	8-May, 22:49
	4-6km NNE	Recorded	2	Explosion	Undetermined	N/K	8-May, 22:50
	4-6km NNE	Recorded	5	Projectile	E to W	N/K	8-May, 22:53
	4-6km N	Recorded	1	Projectile	E to W	N/K	8-May, 22:54
	4-6km N	Recorded	1	Projectile	E to W	N/K	8-May, 22:57
	4-6km N	Recorded	11	Projectile	W to E	N/K	8-May, 22:59
	4-6km NNE	Recorded	1	Projectile	E to W	N/K	8-May, 23:00
	4-6km NNE	Recorded	1	Projectile	E to W	N/K	8-May, 23:01
	4-6km N	Recorded	2	Projectile	E to W	N/K	8-May, 23:01
	4-6km N	Recorded	2	Projectile	W to E	N/K	8-May, 23:04
	4-6km N	Recorded	23	Projectile	W to E	N/K	8-May, 23:05
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	8-May, 23:06
	4-6km N	Recorded	1	Projectile	E to W	N/K	8-May, 23:13
	4-6km NNE	Recorded	1	Muzzle flash		N/K	9-May, 00:19
	4-6km NNE	Recorded	1	Projectile	W to E (subsequent to previous event)	N/K	9-May, 00:19
	4-6km NNE	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	9-May, 00:19
	4-6km NNE	Recorded	10	Projectile	E to W	N/K	9-May, 00:19
	4-6km NNE	Recorded	5	Projectile	E to W	N/K	9-May, 00:26
	4-6km NNE	Recorded	3	Projectile	E to W	N/K	9-May, 03:11
	2-4km N	Recorded	2	Explosion	Undetermined	N/K	9-May, 03:11
SMM camera in Svitlodarsk (government- controlled, 57km NE of Donetsk)	2-4km WSW	Recorded	2	Projectile	NNW to SSE	N/K	8-May, 21:34
	2-4km WSW	Recorded	1	Explosion	Undetermined	N/K	8-May, 21:34
	2-4km WSW	Recorded	1	Projectile	NNW to SSE	N/K	9-May, 00:50
	3-5km WSW	Recorded	1	Projectile	SE to NW	N/K	9-May, 00:50
	2-4km WSW	Recorded	1	Explosion	Undetermined	N/K	9-May, 01:30
	2-4km WSW	Recorded	2	Explosion	Undetermined	N/K	9-May, 02:43
About 1km NW of the railway station in Yasynuvata (non- government- controlled, 16km NE of Donetsk)	1-2km NW	Heard	6	Shot		Small arms	9-May, 09:43
Trudivski area of Donetsk city's Petrovskiyi district (non-government- controlled, 15km SW of Donetsk city centre)	1-2km SSW	Heard	1	Shot		Small arms	9-May, 12:54
	1-2km SSW	Heard	1	Explosion	Undetermined	N/K	9-May, 12:54
About 4.5km NW of Zalizne (formerly Artemove, government- controlled, 42km NE of Donetsk)	1-2km NNW	Heard	6	Explosion	Undetermined	N/K	9-May, 10:27- 10:33
	1-2km NNW	Heard	100	Burst		Small arms	9-May, 10:27- 10:33
	1-2km NNW	Heard	305	Burst		Small arms	9-May, 10:33- 10:38
	1-2km NNW	Heard	2	Explosion	Undetermined	N/K	9-May, 10:33- 10:38
	1-2km NNW	Heard	300	Burst		HMG	9-May, 10:33- 10:38
	650m NNW	Heard	2	Explosion	Impact	N/K	9-May, 10:33- 10:38
	3-4km NNW	Heard	1	Explosion	Undetermined	N/K	9-May, 11:09
Svitlodarsk (government- controlled, 57km NE of Donetsk)	2-3km S	Heard	1	Burst		HMG	8-May, 18:38
	4-5km S	Heard	1	Explosion	Undetermined	N/K	8-May, 19:09
	3-4km S	Heard	6	Burst		HMG	8-May, 19:33- 19:38
	2-3km SW	Heard	3	Burst		HMG	8-May, 19:45

	3-4km SSW	Heard	2	Explosion	Undetermined	N/K	8-May, 20:05-20:07
	3-4km S	Heard	2	Explosion	Undetermined	N/K	8-May, 20:25-20:33
	2-3km SSW	Heard	1	Burst		Small arms	8-May, 20:34
	4-5km WSW	Heard	3	Explosion	Undetermined	N/K	8-May, 20:40-20:42
	2-3km WSW	Heard	2	Burst		Small arms	8-May, 20:43
	3-4km SW	Heard	10	Burst		HMG	8-May, 21:10-21:11
	3-4km S	Heard	3	Explosion	Undetermined	N/K	8-May, 21:32-21:35
	3-4km SW	Heard	2	Burst		HMG	8-May, 21:35
	2-3km WSW	Heard	17	Burst		HMG	8-May, 22:38-02:45
	3-4km WSW	Heard	1	Explosion	Undetermined	N/K	8-May, 22:55
	3-4km SW	Heard	2	Explosion	Undetermined	N/K	8-May, 22:59
	3-4km S	Heard	1	Explosion	Undetermined	N/K	8-May, 23:38
	4-5km S	Heard	2	Explosion	Undetermined	N/K	9-May, 15:58
	2-3km S	Heard	3	Explosion	Undetermined	N/K	9-May, 18:05-18:08
Horlivka (non-government-controlled, 39km NE of Donetsk)	3-5km NW	Heard	10	Explosion	Undetermined	N/K	9-May, 05:30-05:43
	3-5km NW	Heard	5	Burst		N/K	9-May, 05:45
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	3-5km E	Recorded	3	Projectile	In vertical flight (assessed as outside the disengagement area)	N/K	8-May, 23:57
	3-5km E	Recorded	7	Projectile	N to S (assessed as outside the disengagement area)	N/K	8-May, 23:57
	3-5km E	Recorded	3	Projectile	In vertical flight (assessed as outside the disengagement area)	N/K	8-May, 23:58
	3-5km E	Recorded	1	Projectile	N to S (assessed as outside the disengagement area)	N/K	8-May, 23:58
	3-5km E	Recorded	4	Projectile	N to S (assessed as outside the disengagement area)	N/K	9-May, 00:28
	3-5km E	Recorded	1	Muzzle flash	Assessed as outside the disengagement area	N/K	9-May, 00:28
	3-5km E	Recorded	14	Projectile	N to S (assessed as outside the disengagement area)	N/K	9-May, 03:23
E edge of Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)	3-5km SE	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	9-May, 01:05
S edge of the disengagement	3-5km NE	Heard	10	Explosion	Undetermined (assessed as	N/K	9-May, 10:07-10:24

area near Zolote (government-controlled, 60km W of Luhansk)					outside the disengagement area)		
	3-5km NE	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	9-May, 11:26-11:32
SW edge of Zolote (government-controlled, 60km W of Luhansk)	3-5km SSW	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	9-May, 12:10
1.3km SW of Berezivske (non-government-controlled, 53km NW of Luhansk)	2-3km NW	Heard	2	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	9-May, 13:59-14:12
	3km NE	Heard and saw	2	Explosion	Impact (assessed as outside the Zolote disengagement area)	N/K	9-May, 13:59-14:12
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	9-May, 20:31
	2-4km ESE	Recorded	3	Projectile	In vertical flight	N/K	9-May, 20:46
	2-4km ESE	Recorded	3	Projectile	WSW to ENE	N/K	9-May, 20:46
	2-4km ESE	Recorded	1	Projectile	SSW to NNE	N/K	9-May, 20:48
	2-4km ESE	Recorded	7	Projectile	N to S	N/K	9-May, 20:51
	2-4km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	9-May, 21:02
	2-4km ESE	Recorded	7	Projectile	ENE to WSW	N/K	9-May, 21:03
	2-4km ESE	Recorded	2	Projectile	NNW to SSE	N/K	9-May, 21:05
	2-4km ESE	Recorded	2	Explosion	Undetermined	N/K	9-May, 21:05
	3-5km SE	Recorded	5	Explosion	Undetermined	N/K	9-May, 21:05
	2-4km ESE	Recorded	2	Projectile	NW to SE	N/K	9-May, 21:05
	2-4km ESE	Recorded	3	Projectile	SSW to NNE	N/K	9-May, 21:05
	2-4km SE	Recorded	8	Explosion	Undetermined	N/K	9-May, 21:06
	3-5km ESE	Recorded	1	Projectile	NNW to SSE	N/K	9-May, 21:07
	2-4km ESE	Recorded	1	Projectile	SSW to NNE	N/K	9-May, 21:10
	3-5km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	9-May, 21:14
	3-5km ESE	Recorded	2	Explosion	Undetermined	N/K	9-May, 21:19
	3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	9-May, 21:20
	3-5km SE	Recorded	1	Explosion	Undetermined	N/K	9-May, 21:20
	2-4km ESE	Recorded	1	Projectile	NW to SE	N/K	9-May, 21:22
	2-4km ESE	Recorded	1	Projectile	SSW to NNE	N/K	9-May, 21:22
	3-5km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	9-May, 21:47
	2-4km ESE	Recorded	1	Projectile	WSW to ENE	N/K	9-May, 21:48
	3-5km SE	Recorded	1	Illumination flare	In vertical flight	N/K	9-May, 22:00
3-5km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	9-May, 22:33	
2-4km ESE	Recorded	2	Projectile	NW to SE	N/K	9-May, 22:33	
3-5km ESE	Recorded	2	Projectile	In vertical flight	N/K	9-May, 22:49	
2-4km ESE	Recorded	5	Projectile	SSW to NNE	N/K	9-May, 23:51	
SMM camera 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	3-5km SE	Recorded	19	Projectile	In vertical flight (assessed as outside the Petrivske disengagement area)	N/K	9-May, 21:00
	3-5km SE	Recorded	2	Projectile	In vertical flight (assessed as	N/K	9-May, 21:00

					outside the Petrivske disengagement area)		
	3-5km SE	Recorded	2	Explosion	Airburst (subsequent to previous event, assessed as outside the Petrivske disengagement area)	N/K	9-May, 21:00
	3-5km SE	Recorded	12	Projectile	In vertical flight (assessed as outside the Petrivske disengagement area)	N/K	9-May, 21:01
	3-5km ESE	Recorded	1	Explosion	Undetermined (unable to assess as inside or outside the Petrivske disengagement area)	N/K	9-May, 21:43
	2-3km E	Recorded	3	Projectile	NNE to SSW (assessed as inside the Petrivske disengagement area)	N/K	9-May, 22:09
	2-3km ESE	Recorded	1	Explosion	Undetermined (assessed as inside the Petrivske disengagement area, also recorded by the SMM camera in Berezove)	N/K	9-May, 22:26
	2-3km ESE	Recorded	1	Explosion	Undetermined (assessed as inside the Petrivske disengagement area)	N/K	10-May, 00:12
	4-6km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the Petrivske disengagement area)	N/K	10-May, 00:22
	2-3km ESE	Recorded	4	Illumination flare	In vertical flight (assessed as inside the Petrivske disengagement area)	N/K	10-May, 01:18
	4-6km ESE	Recorded	3	Explosion	Undetermined (assessed as outside the Petrivske disengagement area)	N/K	10-May, 01:18
	2-3km ESE	Recorded	1	Illumination flare	In vertical flight (assessed as inside the	N/K	10-May, 01:27

					Petrivske disengagement area)		
	3-5km ESE	Recorded	1	Illumination flare	In vertical flight (unable to assess as inside or outside the Petrivske disengagement area)	N/K	10-May, 02:42
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	3-5km SSW	Recorded	1	Explosion	Undetermined	N/K	9-May, 20:30
	3-5km SSW	Recorded	1	Explosion	Undetermined	N/K	9-May, 20:46
	3-5km SSW	Recorded	2	Explosion	Undetermined	N/K	9-May, 20:49
	3-5km SSW	Recorded	1	Explosion	Undetermined	N/K	9-May, 20:51
	1-3km SSW	Recorded	2	Projectile	WNW to ESE	N/K	9-May, 20:51
	1-2km SSW	Recorded	1	Explosion	Undetermined	N/K	9-May, 20:52
	1-2km SSW	Recorded	1	Projectile	N to S	N/K	9-May, 20:57
	1-2km S	Recorded	1	Projectile	WNW to ESE	N/K	9-May, 20:58
	1-2km SSW	Recorded	1	Projectile	NE to SW	N/K	9-May, 21:00
	1-2km SSW	Recorded	1	Projectile	NE to SW	N/K	9-May, 21:01
	1-2km SSW	Recorded	2	Projectile	ENE to WSW	N/K	9-May, 21:03
	1-2km S	Recorded	1	Illumination flare	In vertical flight (also recorded by the SMM camera in Avdiivka)	N/K	9-May, 21:03
	1-2km SSW	Recorded	7	Projectile	NW to SE	N/K	9-May, 21:03
	3-5km SSW	Recorded	2	Explosion	Undetermined	N/K	9-May, 21:04
	1-2km SSW	Recorded	3	Projectile	NW to SE	N/K	9-May, 21:04
	1-2km SSW	Recorded	1	Projectile	ENE to WSW	N/K	9-May, 21:04
	3-5km SSW	Recorded	2	Explosion	Undetermined	N/K	9-May, 21:05
	1-3km SSW	Recorded	1	Projectile	E to W	N/K	9-May, 21:05
	3-5km SSW	Recorded	2	Explosion	Undetermined	N/K	9-May, 21:06
	1-2km S	Recorded	1	Projectile	WNW to ESE	N/K	9-May, 21:10
	3-5km SSW	Recorded	4	Explosion	Undetermined	N/K	9-May, 21:19
	1-2km SSW	Recorded	1	Projectile	NNE to SSW	N/K	9-May, 21:19
	3-5km SSW	Recorded	1	Explosion	Undetermined	N/K	9-May, 21:20
	3-5km SSW	Recorded	3	Explosion	Undetermined (also recorded by the SMM cameras in Avdiivka and Oktiabr Mine)	N/K	9-May, 21:21
	1-3km SSW	Recorded	14	Projectile	E to W (also recorded by the SMM cameras in Avdiivka and Oktiabr Mine)	N/K	9-May, 21:21
	0.7-1km SSW	Recorded	2	Muzzle flash		N/K	9-May, 21:22
	3-5km SSW	Recorded	1	Explosion	Undetermined	N/K	9-May, 21:22
	1-3km SSW	Recorded	1	Explosion	Undetermined	N/K	9-May, 21:24
	0.7-1km SSW	Recorded	2	Projectile	NW to SE	N/K	9-May, 21:27
	0.7-1km SSW	Recorded	3	Projectile	NW to SE	N/K	9-May, 22:32
	200-500m S	Recorded	1	Projectile	WNW to ESE	N/K	9-May, 23:02
	0.7-1km SSW	Recorded	1	Projectile	E to W	N/K	9-May, 23:51
0.7-1km SSW	Recorded	1	Projectile	NNE to SSW	N/K	9-May, 23:51	
2-4km SSW	Recorded	3	Projectile	WNW to ESE	N/K	9-May, 23:51	
0.7-1km SSW	Recorded	1	Projectile	NE to SW	N/K	9-May, 23:52	
0.5-1km S	Recorded	1	Projectile	WNW to ESE	N/K	10-May, 00:27	
SMM camera at entry-exit	3-5km ENE	Recorded	2	Explosion	Undetermined	N/K	9-May, 22:10
	2-4km ENE	Recorded	1	Muzzle flash		N/K	9-May, 23:30

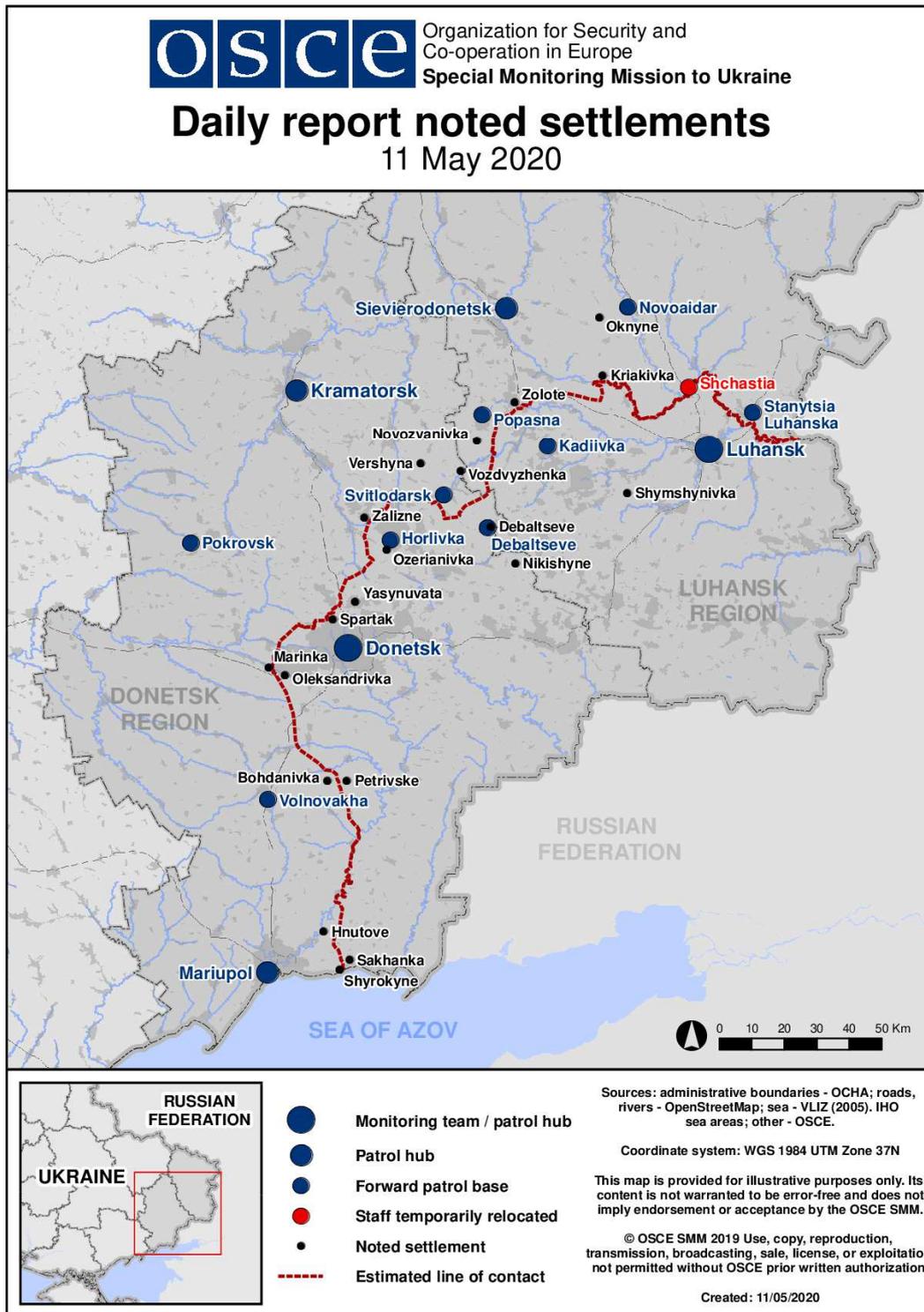
checkpoint in Hnutove (government-controlled, 84km S of Donetsk)	2-4km ENE	Recorded	1	Projectile	NW to SE (subsequent to previous event)	N/K	9-May, 23:30
	2-4km ENE	Recorded	1	Muzzle flash		N/K	9-May, 23:34
	2-4km ENE	Recorded	1	Projectile	NW to SE (subsequent to previous event)	N/K	9-May, 23:34
	2-4km ENE	Recorded	2	Projectile	NW to SE	N/K	10-May, 01:20
SMM camera in Hranitne (government-controlled, 60km S of Donetsk)	4-6km ENE	Recorded	1	Illumination flare	In vertical flight	N/K	9-May, 21:22
SMM camera in Krasnohorivka (government-controlled, 21km W of Donetsk)	2-4km SE	Recorded	2	Projectile	N to S	N/K	9-May, 23:25
	2-4km SE	Recorded	2	Projectile	N to S	N/K	9-May, 23:26
	2-4km SE	Recorded	2	Projectile	NW to SE	N/K	9-May, 23:28
	5-7km SE	Recorded	1	Explosion	Undetermined	N/K	9-May, 23:36
	2-4km E	Recorded	1	Projectile	NW to SE	N/K	10-May, 02:43
	2-4km E	Recorded	1	Explosion	Airburst (subsequent to previous event)	N/K	10-May, 02:43
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-3km ENE	Recorded	1	Illumination flare	In vertical flight	N/K	9-May, 21:17
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	5-7km NNE	Recorded	1	Projectile	W to E	N/K	9-May, 20:58
	3-5km NNE	Recorded	1	Projectile	E to W	N/K	10-May, 01:00
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	1-3km W	Recorded	1	Projectile	N to S	N/K	9-May, 20:36
	1-3km W	Recorded	4	Projectile	N to S	N/K	9-May, 20:37
	2-4km NE	Recorded	8	Projectile	WNW to ESE	N/K	9-May, 21:03
	2-4km NE	Recorded	1	Explosion	Undetermined (also recorded by the SMM camera in Avdiivka)	N/K	9-May, 21:04
	2-4km NE	Recorded	1	Projectile	S to N (also recorded by the SMM camera in Avdiivka)	N/K	9-May, 21:04
	2-4km NE	Recorded	2	Projectile	W to E (also recorded by the SMM camera in Avdiivka)	N/K	9-May, 21:04
	2-4km NE	Recorded	2	Projectile	W to E (also recorded by the SMM camera in Avdiivka)	N/K	9-May, 21:05
	2-4km NE	Recorded	3	Explosion	Undetermined	N/K	9-May, 21:05
	2-4km ENE	Recorded	3	Explosion	Undetermined	N/K	9-May, 21:05
	2-4km ENE	Recorded	6	Explosion	Undetermined	N/K	9-May, 21:06
	2-4km NE	Recorded	1	Projectile	W to E	N/K	9-May, 21:07
	2-4km NE	Recorded	3	Explosion	Undetermined	N/K	9-May, 21:19
	3-5km NE	Recorded	2	Explosion	Undetermined	N/K	9-May, 21:20
	2-4km NE	Recorded	2	Projectile	S to N	N/K	9-May, 21:22
2-4km NE	Recorded	2	Projectile	W to E	N/K	9-May, 21:27	

	3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	9-May, 21:29
	2-4km NE	Recorded	2	Projectile	W to E	N/K	9-May, 21:35
	2-4km ENE	Recorded	1	Illumination flare	In vertical flight	N/K	9-May, 21:37
	2-4km NE	Recorded	2	Projectile	W to E	N/K	9-May, 22:16
	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	9-May, 22:30
	2-4km NE	Recorded	3	Projectile	W to E	N/K	9-May, 22:32
	2-4km NE	Recorded	1	Projectile	W to E	N/K	10-May, 03:15
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	3-5km N	Recorded	3	Burst	In vertical flight	N/K	9-May, 20:53
	4-6km N	Recorded	2	Explosion	Undetermined	N/K	9-May, 21:00
	3-5km N	Recorded	1	Projectile	S to N	N/K	9-May, 22:16
	3-5km N	Recorded	7	Projectile	W to E	N/K	9-May, 22:17
	3-5km N	Recorded	1	Projectile	ESE to WNW	N/K	9-May, 22:23
	3-5km N	Recorded	12	Projectile	W to E	N/K	9-May, 22:42
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	9-May, 22:54
	2-4km NNE	Recorded	7	Projectile	SE to NW	N/K	9-May, 23:13
	2-4km N	Recorded	1	Projectile	ESE to WNW	N/K	9-May, 23:21
	3-5km N	Recorded	7	Projectile	WSW to ENE	N/K	9-May, 23:41
	3-5km N	Recorded	12	Projectile	WSW to ENE	N/K	9-May, 23:42
	3-5km N	Recorded	26	Projectile	WSW to ENE	N/K	9-May, 23:44
	3-5km N	Recorded	3	Projectile	SE to NW	N/K	9-May, 23:45
	3-5km N	Recorded	15	Projectile	W to E	N/K	10-May, 00:12
	2-4km N	Recorded	23	Projectile	W to E	N/K	10-May, 00:37
	3-5km N	Recorded	20	Projectile	ESE to WNW	N/K	10-May, 00:42
	3-5km NNE	Recorded	1	Projectile	SE to NW	N/K	10-May, 02:53
	3-5km N	Recorded	7	Projectile	WSW to ENE	N/K	10-May, 03:14
	3-5km N	Recorded	3	Projectile	WSW to ENE	N/K	10-May, 03:15
	3-5km N	Recorded	2	Projectile	WSW to ENE	N/K	10-May, 03:16
3-5km N	Recorded	4	Projectile	WSW to ENE	N/K	10-May, 03:17	
3-5km N	Recorded	1	Projectile	WSW to ENE	N/K	10-May, 03:18	
3-5km N	Recorded	2	Projectile	WSW to ENE	N/K	10-May, 03:20	
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km S	Recorded	1	Illumination flare	In vertical flight	N/K	9-May, 21:47
About 400m W of Mineralne (non-government-controlled, 10km north-east of Donetsk)	2-3km NW	Heard	27	Shot		Small-arms	10-May, 10:40
	2-3km NW	Heard	16	Shot		Small-arms	10-May, 10:50
	2-3km NW	Heard	4	Burst		HMG	10-May, 10:50
About 1km NW of the railway Station in Yasnyuvata (non-government-controlled, 16km NE of Donetsk)	3km SW	Heard	2	Burst		HMG	10-May, 09:28
	3km SW	Heard	1	Explosion	Undetermined	N/K	10-May, 09:28
Donetsk city centre (non-	1km WSW	Heard	25	Explosion	Outgoing	N/K	9-May, 22:00-22:15

government-controlled)							
About 400m SE of Spartak (non-government-controlled, 9km N of Donetsk)	1-2km NW	Heard	1	Shot		Small-arms	10-May, 12:33
	1-2km NW	Heard	1	Shot		Small-arms	10-May, 12:44
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	10-May, 13:27
	2-3km SW	Heard	2	Burst		HMG	10-May, 13:27
About 350m NE Vesele (non-government-controlled, 9km NW of Donetsk)	1-2km NW	Heard	30	Burst		HMG	10-May, 13:55-14:05
	1-2km NW	Heard	18	Shot		Small-arms	10-May, 13:55-14:05
	3km SW	Heard	5	Explosion	Undetermined	N/K	10-May, 14:05-14:20
	2-3km N	Heard	7	Burst		HMG	10-May, 14:05-14:20
Vesele (non-government-controlled, 9km NW of Donetsk)	1km W	Heard	1	Shot		Small-arms	10-May, 14:41
About 2km N of Petrivske (non-government-controlled, 41km S of Donetsk)	2km ESE	Heard	9	Shot	Assessed as outside the disengagement area	Small-arms	10-May, 10:14
Horlivka (non-government-controlled, 39km NE of Donetsk)	4-6km NW	Heard	20	Explosion	Undetermined	N/K	10-May, 05:00-05:45
	4-6km NW	Heard	9	Burst	Undetermined	Small-arms	10-May, 05:00-05:45
	5-7km NNE	Heard	34	Explosion	Undetermined	N/K	10-May, 05:45-06:10
About 2km NE of Chernenko (government-controlled, 86km S of Donetsk)	5-6km SE	Heard	2	Explosion	Undetermined	N/K	10-May, 12:20
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	3-5km SW	Recorded	2	Burst	In vertical flight	N/K	9-May, 21:01
	5-7km S	Recorded	1	Illumination flare	In vertical flight	N/K	9-May, 21:06
	5-7km S	Recorded	2	Illumination flare	In vertical flight	N/K	9-May, 21:08
	5-7km SW	Recorded	1	Illumination flare	In vertical flight	N/K	9-May, 21:17
	5-7km S	Recorded	2	Illumination flare	In vertical flight	N/K	9-May, 21:24
	5-7km SW	Recorded	1	Illumination flare	In vertical flight	N/K	9-May, 21:25
	5-7km S	Recorded	1	Illumination flare	In vertical flight	N/K	9-May, 21:37
	5-7km S	Recorded	1	Illumination flare	In vertical flight	N/K	9-May, 22:01
	3-5km SSW	Recorded	16	Projectile	WNW to ESE	N/K	9-May, 22:52
3-5km SSW	Recorded	44	Projectile	WNW to ESE	N/K	9-May, 22:54	
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	3-5km SE	Recorded	1	Illumination flare	In vertical flight (assessed as outside the disengagement area)	N/K	9-May, 21:16
N edge of Shymshynivka (non-government-controlled, 27km SW of Luhansk)	400m WNW	Heard	7	Shot		Small-arms	10-May, 10:50

E edge of Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)	5-7km SW	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	10-May, 15:08
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Map of Donetsk and Luhansk regions¹¹



¹¹The 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).