

Daily Report 44/2020

22 February 2020¹

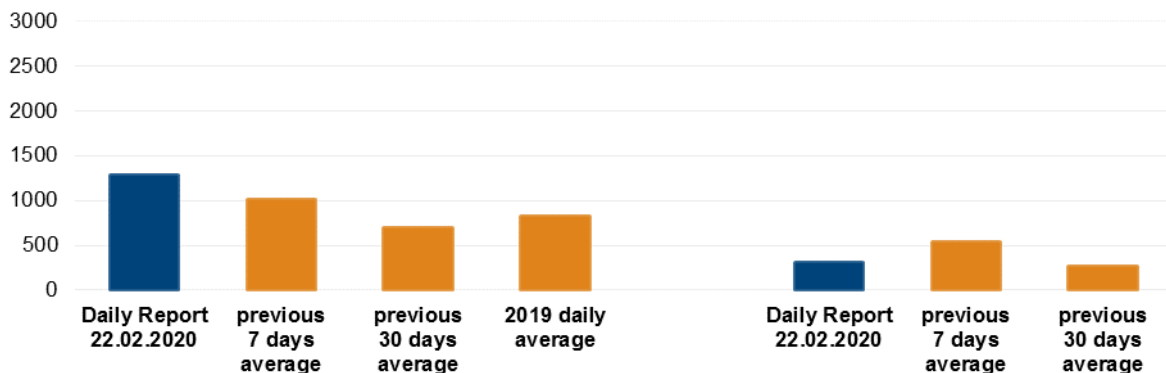
Summary

- Compared with the previous reporting period, the SMM recorded more ceasefire violations in both Donetsk and Luhansk regions.
- The Mission followed up on reports of a man injured by shrapnel from shelling in non-government-controlled Holubivske on 18 February.
- The SMM saw fresh craters in Popasna and near Verkhnohshyrokiivske as well as recent impacts inside the Donetsk Filtration Station.
- It continued monitoring the disengagement areas near Stanytsia Luhanska, Zolote and Petrivske.
- It facilitated localized ceasefires to enable repairs to critical civilian infrastructure.
- The SMM's freedom of movement continued to be restricted, including at checkpoints of the armed formations near Verkhnohshyrokiivske, Kovske and Siedove.*

Ceasefire violations¹

Number of recorded ceasefire violations²

Number of recorded explosions³

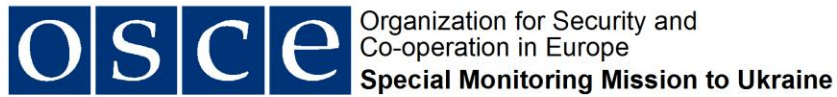


¹ For a complete breakdown of ceasefire violations, please see the annexed table.

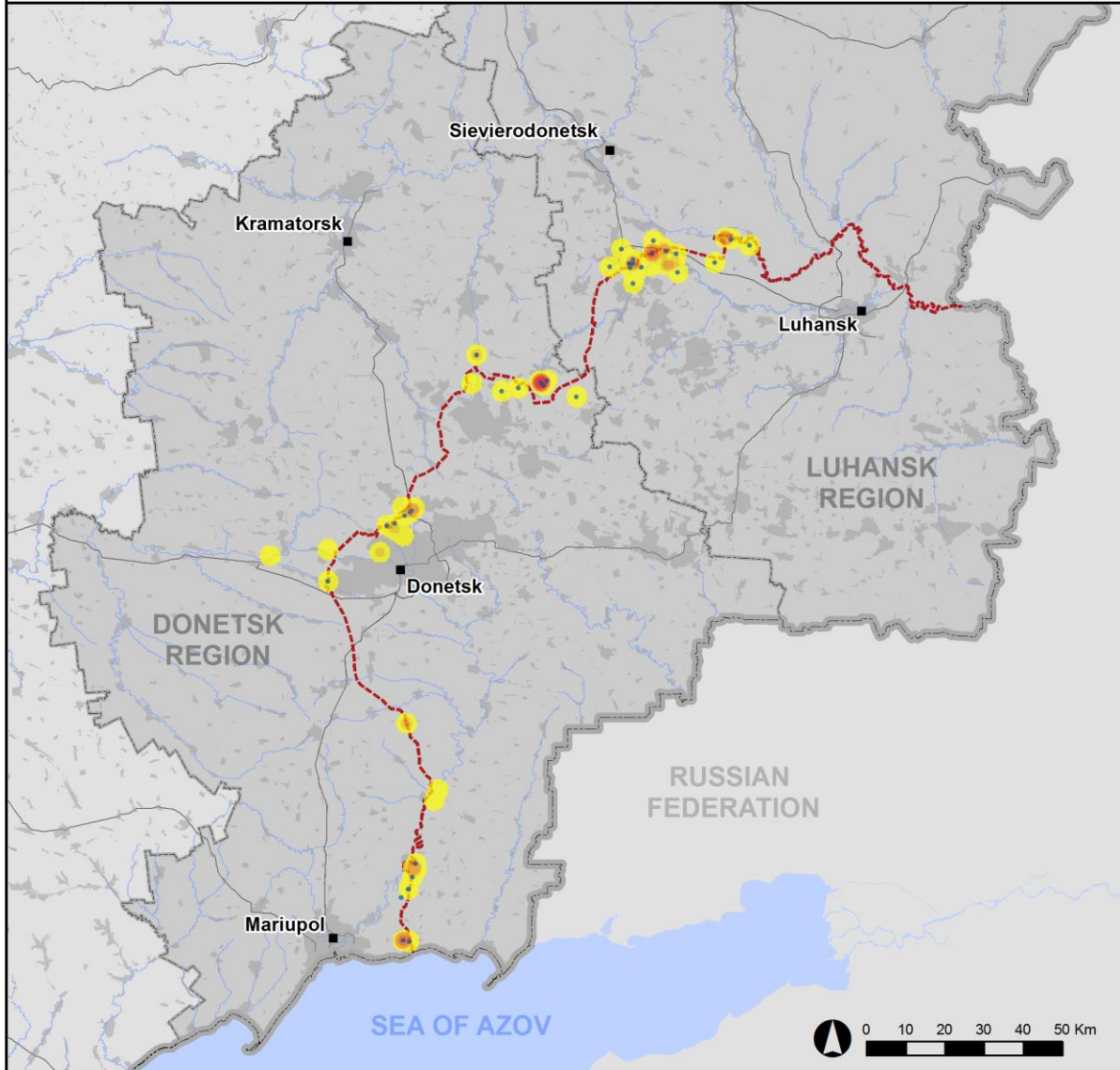
² Including explosions

³ Including from unidentified weapons

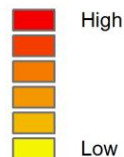
Map of recorded ceasefire violations



**Ceasefire violations observed by the SMM
21 February 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: 22/02/2020

In Donetsk region, the SMM recorded more ceasefire violations, including more explosions (195), compared with the [previous reporting period](#) (90 explosions). Two thirds of the ceasefire violations, including the majority of explosions, were recorded in areas south-east of Svitlodarsk (government-controlled, 57km north-east of Donetsk) as well as north and north-north-east of Shyrokyne (government-controlled, 100km south of Donetsk).

In Luhansk region, the Mission recorded more ceasefire violations, including more explosions (95), compared with the [previous reporting period](#) (27 explosions). As in the previous reporting period, more than half of the ceasefire violations, including the majority of explosions, were recorded in areas north and north-east of Berezivske (non-government-controlled, 53km north-west of Luhansk).

Man injured by shrapnel in Holubivske

On 20 February, in the southern part of Holubivske (non-government-controlled, 51km west of Luhansk), at 19/2 Przhevalskoho Street, the SMM saw a man (55 years old) with injuries to his hip which he said he had sustained during shelling in the morning of 18 February while he had been in his house. On 21 February, at the hospital in Holubivka (formerly Kirovsk, non-government-controlled, 51km west of Luhansk), medical staff told the SMM that the man had been admitted on 18 February with shrapnel-related injuries to his hip incurred on that day, and had been released on the same day after receiving medical treatment. (The SMM reported damage from shelling at Przhevalskoho Street in Holubivske, see [SMM daily report 21 February 2020](#).)

Recent impacts inside the Donetsk Filtration Station and fresh craters in Popasna and near Verkhnoшыrokivske

On 20 February, an SMM mini-unmanned aerial vehicle (UAV) spotted about 25 craters, assessed as recent impacts (unable to determine the weapon type or direction of fire), inside the Donetsk Filtration Station (DFS) area, in the courtyards north and south of the main building and near the chlorine warehouse. The SMM did not observe any visible outside damage caused to the DFS by the impacts.

On 21 February, the SMM saw three fresh craters about 10m apart assessed as caused by 152mm artillery rounds fired from an easterly direction, the first one on the eastern edge of the road and the two others about 5m west of the road, about 15m from a military compound of the Ukrainian Armed Forces on the north-eastern edge of Popasna (government-controlled, 69km west of Luhansk), about 600m east of a residential area. On the same day, an SMM mini-UAV spotted a crater inside the aforesaid compound and another one in a field about 50m further north. The UAV also spotted about eight craters in an adjacent cemetery about 50m west of the same compound. All of the aforesaid craters were assessed as fresh. The Mission was unable to assess the type of weapon used or direction of fire.

On the same day, the SMM saw two fresh craters assessed as caused by 82mm mortar rounds (unable to determine the direction of fire) near the most forward positions of the armed formations, one on the shoulder of the road between the entry-exit checkpoint in Hnutove (government-controlled, 90km south of Donetsk) and the corresponding checkpoint of the armed formations in Verkhnoшыrokivske (formerly Oktiabr, non-government-controlled, 85km south of Donetsk) and the other one, nearby, in a field 10m north of the road.

Disengagement areas near Stanytsia Luhanska, Zolote and Petrivske⁴

On 21 February, inside the **disengagement area near Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk), the SMM saw six 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 20 February, the SMM camera in Zolote (government-controlled, 60km west of Luhansk) recorded 14 undetermined explosions, eight projectiles in flight and two illumination flares at an assessed range of 3-6km east, all assessed as outside the **Zolote disengagement area** but within 5km of its periphery. On 21 February, while positioned in five locations near the disengagement area, the SMM heard 35 undetermined explosions, all assessed as outside the area but within 5km of its periphery.

On the evening of 20 February, the SMM camera in Bohdanivka (government-controlled, 41km south-west of Donetsk) recorded 17 projectiles in flight, the majority from north-north-east to south-south-west, at an assessed range of 1-3km east-south-east and assessed as inside **the disengagement area near Petrivske**.

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 a weapon in violation of withdrawal lines in government-controlled Donetsk region. It saw two weapons beyond withdrawal lines but outside designated storage sites in a government-controlled area of Donetsk region (see the table below).

Weapons that the SMM could not verify as withdrawn⁵

At six heavy weapons holding areas in government-controlled areas of Donetsk region

20 February

The Mission noted that 12 towed howitzers (2A65 *Msta-B*, 152mm), 22 self-propelled mortars (2S9 *Nona-S*, 120mm) and four towed mortars (2B9 *Vasilek*, 82mm) continued to be missing.

Weapons permanent storage sites

At a permanent storage site in a government-controlled area of Donetsk region

21 February

The Mission noted that 81 tanks (48 T-64 and 33 T-72), nine mortars (M120-15 *Molot*, 120mm) and 12 anti-tank guns (MT-12 *Rapira*, 100mm) continued to be missing. Three mortars (M120-15), 28 tanks (16 T-64 and 12 T-72) and six anti-tank guns (MT-12) were missing for the first time.

⁴ Disengagement is foreseen in the Framework Decision of the Trilateral Contact Group relating to disengagement of forces and hardware of 21 September 2016.

⁵ The SMM visited areas holding weapons that could not be verified as withdrawn, as their storage did not comply with the criteria set out in the 16 October 2015 notification from the SMM to the signatories of the Package of Measures on effective monitoring and verification of the withdrawal of heavy weapons. The SMM noted that two such sites continued to be abandoned.

Indications of military and military-type presence in the security zone⁶

The SMM observed armoured combat vehicles in government-controlled areas of Donetsk and Luhansk regions and in an area of non-government-controlled Donetsk region (for further details, see the table below).

Long queues at checkpoints along the contact line

In the morning of 21 February, at the checkpoint of the armed formations near Kreminets (non-government-controlled, 16km south-west of Donetsk), the SMM saw about 150 cars queuing to travel towards government-controlled areas and about 20 cars and a mini-bus queuing in the opposite direction. In the early afternoon of the same day, at the checkpoint near Olenivka (non-government-controlled, 23km south-west of Donetsk), the Mission saw about 200 cars queuing to travel towards government-controlled areas and 25 cars queuing in the opposite direction.

SMM facilitation of repairs and the operation of critical civilian infrastructure

The SMM facilitated and monitored adherence to localized ceasefires to enable repairs to water pipelines near Zalizne (government-controlled, 42km north-east of Donetsk) as well as to the power lines between Berezhivske (non-government-controlled, 53km north-west of Luhansk) and Donetskyi (non-government-controlled, 49km west of Luhansk) and between Donetskyi and Holubivske.

The Mission continued to facilitate the maintenance and operation of DFS (15km north of Donetsk) and monitor the security situation around the pumping station near Vasylivka (non-government-controlled, 20km north of Donetsk). While positioned in two locations near the DFS, the SMM heard two undetermined explosions and 22 shots and bursts of heavy-machine-gun and small-arms fire, less than 3km from the DFS.

The SMM monitored a protest related to events at Maidan in 2014 in Kyiv

In the evening of 20 February, in front of the building of the presidential administration at 11 Bankova Street in Kyiv, the Mission saw about 4,000 people (mixed ages and genders), some of whom were holding flags of the National Corps, Svoboda and “Democratic Axe”. Participants expressed messages critical of political developments concerning certain areas of Donetsk and Luhansk regions. The protest was held on the same day of the commemoration of Maidan-related events in 2014. The SMM saw about 20 Dialogue Police officers. No incidents were observed.

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

***Restrictions of the SMM’s freedom of movement or other impediments to fulfilment of its mandate**

The SMM’s monitoring and freedom of movement are restricted by security hazards and threats, including risks posed by mines, unexploded ordnance (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

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

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 19 February 2020](#)). The SMM's operations in Donetsk and Luhansk regions remain restricted following [the fatal incident of 23 April 2017 near Pryshyb](#); these restrictions continued to limit the Mission's observations.

Denials of access:

- At a checkpoint west of Verkhnohshyrokiivske (formerly Oktiabr, non-government-controlled, 85km south of Donetsk), an armed member of the armed formations [again](#) denied the SMM passage towards non-government-controlled areas, citing "ongoing operation in the area". While at the checkpoint, the Mission saw cars passing through it in both directions.
- At a checkpoint near Kovske (non-government-controlled, 91km south of Donetsk), two armed members of the armed formations [again](#) denied the SMM passage towards Samiilove (non-government-controlled, 89km south of Donetsk), citing "military exercises in the area".
- At a checkpoint near Siedove (non-government-controlled, 106km south of Donetsk), two armed members of the armed formations [again](#) denied the SMM passage towards the settlement, citing "orders from superiors".

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 civilian movement, through failure to conduct comprehensive clearance of mines, UXO and other obstacles.

Delay:

- At a checkpoint west of Verkhnohshyrokiivske (formerly Oktiabr), an armed member of the armed formations allowed the SMM passage towards non-government-controlled areas after about 20 minutes of waiting.

Other impediments:

- An SMM mini-UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying over areas near Zernove (non-government-controlled, 70km south of Donetsk).⁷

⁷ The interference could have occurred within a radius of several kilometres from the UAVs' positions.

- **Table of weapons**

Weapons in violation withdrawal lines

Date	No. of weapons	Type of weapon	Location	Source of observation
Government-controlled areas				
21/02/2020	1	Towed howitzer (D-20, 152mm)	Moving towards Kurakhove (40km west of Donetsk)	Patrol

Weapons beyond withdrawal lines but outside designated storage sites

Date	No. of weapons	Type of weapon	Location	Source of observation
Government-controlled areas				
21/02/2020	2	Surface-to-air missile system (9K33 Osa)	Near Sokil (32km north-west of Donetsk) moving westwards	Patrol

Table of indications of military presence in the security zone⁸

Date	No.	Type	Location	Source of observation
Government-controlled areas				
21/02/2020	1	Infantry fighting vehicle (BTR-3)	In a residential area in Kodema (57km north-east of Donetsk)	Patrol
	1	Armoured personnel carrier (MT-LB)	In Popasna (69km west of Luhansk)	
	2	Armoured reconnaissance vehicle (BRDM-2)	In Troitske (69km west of Luhansk)	
	1	Armoured reconnaissance vehicle (SNAR-10)		
	1	Self-propelled recoilless gun (SPG-9, 73mm)		
Non-government-controlled areas				
20/02/2020	1	Probable anti-aircraft gun (ZU-23)	Near Nyzhnie Lozove (59km north-east of Donetsk)	Mid-range UAV

⁸ 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 21 February 2020⁹

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	3-5km SE	Recorded	1	Projectile	SSW to NNE	N/K	20-Feb, 20:02
	3-5km SE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:22
	3-5km SE	Recorded	3	Explosion	Undetermined (also recorded by the SMM Oktiabr camera)	N/K	21-Feb, 05:07
SMM camera 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	1-3km ESE	Recorded	3	Projectile	NNE to SSW (assessed as inside the Petrivske disengagement area)	N/K	20-Feb, 20:24
	1-3km ESE	Recorded	2	Projectile	NNW to SSE (assessed as inside the Petrivske disengagement area)	N/K	20-Feb, 20:24
	1-3km ESE	Recorded	7	Projectile	NNE to SSW (assessed as inside the Petrivske disengagement area)	N/K	20-Feb, 21:20
	1-3km ESE	Recorded	5	Projectile	NNE to SSW (assessed as inside the Petrivske disengagement area)	N/K	20-Feb, 22:32
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	2-4km SE	Recorded	3	Projectile	SSW to NNE	N/K	20-Feb, 18:06
	2-4km SE	Recorded	11	Projectile	ENE to WSW	N/K	20-Feb, 19:16
	2-4km SE	Recorded	5	Projectile	ENE to WSW	N/K	20-Feb, 19:17
	2-4km SE	Recorded	9	Projectile	ENE to WSW	N/K	20-Feb, 19:18
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	20-Feb, 19:19
	2-4km SE	Recorded	1	Projectile	SW to NE (in vertical flight)	N/K	20-Feb, 19:22
	3-5km SE	Recorded	7	Projectile	ENE to WSW	N/K	20-Feb, 19:29
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	20-Feb, 19:32
	2-4km ESE	Recorded	2	Projectile	NE to SW	N/K	21-Feb, 02:34
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 03:56
	4-6km SSE	Recorded	1	Projectile	ENE to WSW	N/K	21-Feb, 05:06
	4-6km SSE	Recorded	1	Explosion	Impact, subsequent to the previous event	N/K	21-Feb, 05:06
	4-6km SSE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 05:08
SMM camera at Donetsk Filtration Station (DFS) (15km N of Donetsk)	2-4km SSW	Recorded	1	Projectile	In vertical flight	N/K	20-Feb, 19:00
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	1-3km ESE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 05:00
	1-3km ESE	Recorded	6	Explosion	Undetermined	N/K	21-Feb, 05:06
	1-3km ESE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 05:07
SMM camera in Hranitne (government-	3-5km ENE	Recorded	1	Muzzle flash		N/K	20-Feb, 19:19
	2-4km ESE	Recorded	2	Projectile	SW to NE	N/K	21-Feb, 03:45
	2-4km ESE	Recorded	2	Projectile	SW to NE	N/K	21-Feb, 03:45

⁹ 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.

controlled, 60km S of Donetsk)							
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-4km ENE	Recorded	3	Muzzle flash		N/K	20-Feb, 20:56
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	2-4km ENE	Recorded	3	Projectile	N to S	N/K	20-Feb, 20:56
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	20-Feb, 23:04
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	20-Feb, 23:06
	2-4km NNE	Recorded	2	Explosion	Undetermined	N/K	20-Feb, 23:08
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	2-4km NNE	Recorded	1	Projectile	WNW to ESE	N/K	21-Feb, 01:57
	2-4km NE	Recorded	1	Projectile	WNW to ESE	N/K	21-Feb, 02:10
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	3-6km NE	Recorded	2	Explosion	Undetermined (also recorded by the SMM cameras in DFS and Avdiivka)	N/K	21-Feb, 02:22
	2-4km NNE	Recorded	5	Projectile	WNW to ESE	N/K	21-Feb, 02:28
	2-4km NNE	Recorded	2	Explosion	Undetermined	N/K	21-Feb, 05:07
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	20-Feb, 17:43
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	3-5km N	Recorded	2	Explosion	Undetermined	N/K	20-Feb, 17:48
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	20-Feb, 17:50
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	20-Feb, 17:54
	3-5km N	Recorded	1	Projectile	SE to NW	N/K	20-Feb, 19:13
	3-5km N	Recorded	1	Explosion	Impact, subsequent to the previous event	N/K	20-Feb, 19:13
	3-5km N	Recorded	14	Projectile	ESE to WNW	N/K	20-Feb, 20:06
	3-5km N	Recorded	2	Projectile	ESE to WNW	N/K	20-Feb, 20:28
	3-5km N	Recorded	3	Projectile	ESE to WNW	N/K	20-Feb, 20:29
	3-5km N	Recorded	5	Projectile	ESE to WNW	N/K	20-Feb, 20:33
	3-5km N	Recorded	5	Projectile	ESE to WNW	N/K	20-Feb, 20:35
	3-5km N	Recorded	1	Projectile	ESE to WNW	N/K	20-Feb, 20:36
	3-5km N	Recorded	8	Projectile	ESE to WNW	N/K	20-Feb, 20:37
	3-5km N	Recorded	8	Projectile	ESE to WNW	N/K	20-Feb, 20:38
	3-5km N	Recorded	2	Projectile	ESE to WNW	N/K	20-Feb, 20:39
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	20-Feb, 20:39
	3-5km N	Recorded	6	Projectile	ESE to WNW	N/K	20-Feb, 20:40
	3-5km N	Recorded	6	Projectile	ESE to WNW	N/K	20-Feb, 20:41
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	20-Feb, 21:28
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	21-Feb, 02:36
	3-5km N	Recorded	2	Projectile	SE to NW	N/K	21-Feb, 02:39
	3-5km N	Recorded	7	Projectile	WNW to ESE	N/K	21-Feb, 04:01
	3-5km N	Recorded	1	Projectile	WNW to ESE	N/K	21-Feb, 04:08
	3-5km N	Recorded	5	Projectile	SE to NW	N/K	21-Feb, 04:15
	3-5km N	Recorded	3	Projectile	ESE to WNW	N/K	21-Feb, 04:19
	3-5km N	Recorded	3	Projectile	ESE to WNW	N/K	21-Feb, 04:21
	3-5km N	Recorded	4	Projectile	ESE to WNW	N/K	21-Feb, 04:22
	3-5km N	Recorded	4	Projectile	SE to NW	N/K	21-Feb, 04:23
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:24
	3-5km N	Recorded	2	Projectile	ESE to WNW	N/K	21-Feb, 04:24
	3-5km NNE	Recorded	2	Explosion	Undetermined	N/K	21-Feb, 04:31
3-5km N	Recorded	2	Projectile	ESE to WNW	N/K	21-Feb, 04:38	
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	20-Feb, 23:19
	3-5km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	21-Feb, 00:30
	3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 00:48

	3-5km ESE	Recorded	1	Projectile	SW to NE	N/K	21-Feb, 01:32
	3-5km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	21-Feb, 02:12
	3-5km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	21-Feb, 02:16
	3-5km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	21-Feb, 03:18
About 1.1km NW of Yasynuvata Railway station (non-government-controlled, 16km NE of Donetsk)	2-3km SW	Heard	13	Burst	Within 5km radius of DFS	HMG	21-Feb, 12:58
	3km SW	Heard	1	Explosion	Undetermined (within 5km radius of DFS)	Small arms	21-Feb, 13:02
	1-2km SW	Heard	9	Shot	Within 5km radius of DFS.	Small arms	21-Feb, 13:06
	2-3km SW	Heard	10	Burst	Within 5km radius of DFS.	HMG	21-Feb, 13:13
	2-3km SW	Heard	1	Explosion	Undetermined (within 5km radius of DFS)	N/K	21-Feb, 13:13
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	1km SE	Heard	1	Shot	Within 5km radius of DFS	Small arms	21-Feb, 08:57-10:03
	1-2km SE	Heard	1	Burst	Within 5km radius of DFS	Small arms	21-Feb, 10:55
	1-2km SE	Heard	1	Burst	Within 5km radius of DFS	Small arms	21-Feb, 11:37
About 1km NNE of Donetsk central railway station (non-government-controlled, 6km NW of Donetsk)	2-3km N	Heard	3	Burst		HMG	21-Feb, 09:40
	1-2km NNE	Heard	7	Burst		HMG	21-Feb, 10:16
	2-3km E	Heard	2	Burst		Small arms	21-Feb, 10:23
About 6km NW of Donetsk city centre (non-government-controlled)							
	2-3km S	Heard	12	Burst			21-Feb, 12:25-12:30
Krasnohorivka (government-controlled, 21km W of Donetsk)	1-2km N	Heard	3	Burst		Small arms	21-Feb, 12:50
About 1.8km NE of Stepanivka (government-controlled, 36km W of Donetsk)	2-3km NE	Heard	3	Burst		HMG	21-Feb, 11:10
About 4km NW of Debaltseve (non-government-controlled, 58km NE of Donetsk)							
	2-3km NNE	Heard	1	Explosion	Undetermined	N/K	21-Feb, 10:38
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km SE	Heard	1	Explosion	Undetermined	N/K	20-Feb, 18:48
	2-3km SE	Heard	4	Burst		Small arms	20-Feb, 18:54-18:56
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	20-Feb, 19:03
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	20-Feb, 19:05-19:06
	2-4km SE	Heard	10	Burst		HMG	20-Feb, 19:05-19:06
	2-4km SE	Heard	12	Burst		HMG	20-Feb, 19:13-19:14
	2-4km SE	Heard	10	Burst		HMG	20-Feb, 19:16-19:17
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	20-Feb, 19:17
	2-4km SE	Heard	14	Burst		Small arms	20-Feb, 19:18-19:20
	2-4km SE	Heard	6	Burst		HMG	20-Feb, 19:21-19:22

2-5km SE	Heard	1	Explosion	Undetermined	N/K	20-Feb, 19:24
2-4km SE	Heard	10	Burst		Small arms	20-Feb, 19:26
2-4km SE	Heard	2	Burst		HMG	20-Feb, 19:28
2-4km SE	Heard	9	Burst		Small arms	20-Feb, 19:30
2-4km SE	Heard	2	Burst		HMG	20-Feb, 19:31
2-4km SE	Heard	4	Shot		Small arms	20-Feb, 19:46
2-4km SE	Heard	12	Burst		HMG	20-Feb, 19:52-19:53
2-4km SE	Heard	5	Burst		HMG	20-Feb, 20:08
2-4km SE	Heard	17	Burst		HMG	20-Feb, 20:12-20:14
2-4km SE	Heard	6	Burst		Small arms	20-Feb, 20:14
2-4km SE	Heard	8	Shot		Small arms	20-Feb, 20:18
2-5km SE	Heard	1	Explosion	Undetermined	N/K	20-Feb, 20:19
2-4km SE	Heard	6	Burst		Small arms	20-Feb, 20:23
2-4km SE	Heard	3	Burst		HMG	20-Feb, 20:24
2-4km SE	Heard	14	Burst		Small arms	20-Feb, 20:28
2-4km SE	Heard	12	Burst		HMG	20-Feb, 20:29-20:30
2-4km SE	Heard	7	Burst		HMG	20-Feb, 20:40
2-4km SE	Heard	8	Shot		Small arms	20-Feb, 20:42
2-4km SE	Heard	5	Burst		Small arms	20-Feb, 20:44
2-4km SE	Heard	4	Burst		HMG	20-Feb, 20:47
2-4km SE	Heard	23	Burst		Small arms	20-Feb, 20:49-20:52
2-4km SE	Heard	3	Burst		HMG	20-Feb, 21:03
2-4km SE	Heard	2	Burst		HMG	20-Feb, 21:07
2-4km SE	Heard	2	Explosion	Undetermined	N/K	20-Feb, 21:20
2-4km SE	Heard	7	Burst		HMG	20-Feb, 21:21-21:23
2-4km SE	Heard	5	Burst		HMG	20-Feb, 21:26-21:30
2-4km SE	Heard	4	Burst		HMG	20-Feb, 21:34-21:38
2-4km SE	Heard	5	Burst		HMG	20-Feb, 21:42-21:47
2-4km SE	Heard	11	Burst		HMG	20-Feb, 21:53-21:57
2-4km SE	Heard	9	Burst		HMG	20-Feb, 22:03-22:07
2-4km SE	Heard	26	Burst		HMG	20-Feb, 22:11-22:20
2-4km SE	Heard	5	Burst		HMG	20-Feb, 22:30-22:33
2-4km SE	Heard	2	Burst		HMG	20-Feb, 22:42
2-4km SE	Heard	14	Burst		HMG	20-Feb, 22:54-23:03
2-4km SE	Heard	8	Burst		HMG	20-Feb, 23:05-23:11
2-4km SE	Heard	27	Burst		HMG	20-Feb, 23:16-23:26
2-4km SE	Heard	15	Burst		HMG	20-Feb, 23:29-23:35
2-4km SE	Heard	16	Burst		HMG	20-Feb, 23:39-23:42
2-4km SE	Heard	7	Burst		HMG	20-Feb, 23:52-23:59
2-4km SE	Heard	80	Burst		HMG	21-Feb, 07:00-07:55
2-4km SE	Heard	115	Explosion	undetermined	N/K	21-Feb, 07:00-08:05

	4-6km SW	Heard	5	Explosion	Undetermined	N/K	21-Feb, 15:11-15:15
	2-4km SE	Heard	7	Explosion	Undetermined	N/K	21-Feb, 15:41-15:47
Novoluhanske (government-controlled, 53km NE of Donetsk)	5-7km SW	Heard	1	Explosion	Undetermined	N/K	21-Feb, 09:50
W of Zalizne (formerly Artemove, government-controlled, 42km NE of Donetsk)	1-2km E	Heard	2	Burst		Small arms	21-Feb, 10:51-10:55
	1-2km E	Heard	1	Shot		Small arms	21-Feb, 10:51-10:55
	2-3km E	Heard	1	Explosion	Undetermined	N/K	21-Feb, 10:51-10:55
Kodema (government-controlled, 57km NE of Donetsk)	3-5km W	Heard	15	Explosion	Undetermined	N/K	21-Feb, 11:00-11:06
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	3-5km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	20-Feb, 20:27
	3-5km SSW	Recorded	7	Projectile	WNW to ESE	N/K	20-Feb, 20:42
	3-5km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	20-Feb, 20:42
	3-5km S	Recorded	3	Explosion	Undetermined	N/K	20-Feb, 20:42
	3-5km SSW	Recorded	3	Muzzle flash		N/K	20-Feb, 20:42
	3-5km SSW	Recorded	3	Projectile	WNW to ESE	N/K	20-Feb, 20:43
	3-5km SSW	Recorded	2	Muzzle flash		N/K	20-Feb, 20:43
	3-5km S	Recorded	2	Explosion	Undetermined	N/K	20-Feb, 20:43
	3-5km SSW	Recorded	5	Muzzle flash		N/K	20-Feb, 20:44
	3-5km SSW	Recorded	6	Projectile	WNW to ESE	N/K	20-Feb, 20:44
	3-5km SSW	Recorded	1	Muzzle flash		N/K	20-Feb, 20:45
	3-5km SSW	Recorded	1	Projectile	WNW to ESE	N/K	20-Feb, 20:45
	3-5km SSW	Recorded	3	Muzzle flash		N/K	20-Feb, 20:46
	3-5km SSW	Recorded	2	Projectile	WNW to ESE	N/K	20-Feb, 20:46
	3-5km S	Recorded	2	Explosion	Undetermined	N/K	20-Feb, 21:12
	3-5km SSW	Recorded	1	Muzzle flash		N/K	20-Feb, 21:13
	3-5km SSW	Recorded	1	Projectile	WNW to ESE	N/K	20-Feb, 21:13
	3-5km SSW	Recorded	2	Muzzle flash		N/K	20-Feb, 21:24
	3-5km SSW	Recorded	2	Projectile	WNW to ESE	N/K	20-Feb, 21:24
	3-5km SSW	Recorded	2	Muzzle flash		N/K	20-Feb, 21:25
3-5km SSW	Recorded	1	Projectile	In vertical flight	N/K	20-Feb, 23:55	
3-5km SSW	Recorded	1	Projectile	WNW to ESE	N/K	21-Feb, 00:47	
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	4-6km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 20:35
	4-6km E	Recorded	1	Illumination flare	In vertical flight (assessed as outside the disengagement area)	N/K	20-Feb, 20:42
	4-6km E	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 21:34
	4-6km E	Recorded	1	Projectile	N to S (assessed as outside the disengagement area)	N/K	20-Feb, 21:49
	4-6km E	Recorded	1	Explosion	Impact (assessed as outside the disengagement area)	N/K	20-Feb, 21:49
	4-6km E	Recorded	2	Projectile	S to N (assessed as outside the disengagement area)	N/K	20-Feb, 21:49
	4-6km E	Recorded	2	Projectile	SW to NE (undetermined,	N/K	20-Feb, 21:50

					assessed as outside the disengagement area)		
	4-6km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 03:44
	3-5km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 03:54
	3-5km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 03:55
	4-6km E	Recorded	1	Illumination flare	In vertical flight (assessed as outside the disengagement area)	N/K	21-Feb, 03:57
	4-6km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 03:57
	4-6km E	Recorded	3	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	21-Feb, 03:58
	4-6km E	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 03:58
	4-6km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 04:00
	3-5km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 04:03
	3-5km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 04:04
	4-6km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 12:19
SW edge of Berezhivske (non-government-controlled, 53km NW of Luhansk)	2-3km NE	Heard	1	Shot		Small arms	21-Feb, 09:38
	5-6km NNE	Heard	20	Explosion	Undetermined	N/K	21-Feb, 12:37-13:15
	1-2km NNW	Heard	7	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	21-Feb, 12:37-13:15
	5-6km NNE	Heard	15	Burst		Small arms	21-Feb, 12:37-13:15
	5-6km NNE	Heard	5	Shot		Small arms	21-Feb, 12:37-13:15
	5-6km NNE	Heard	123	Burst		HMG	21-Feb, 12:37-13:15
	5-7km SE	Heard	4	Explosion	Undetermined	N/K	21-Feb, 10:06-10:15
N edge of Zolote disengagement area (government-controlled, 60km W of Luhansk)	5-6km SE	Heard	3	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 10:08-10:12
	5-6km SE	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 10:31
Zolote-5/Mykhailivika (non-government-controlled, 58km NW of Luhansk)	1km NW	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 12:01-12:03

2km E of Zolote-2/Karbonit (government-controlled, 62km NW of Luhansk)	3-5km SE	Heard	10	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 14:48-14:50
S edge of Zolote disengagement area (government-controlled, 60km W of Luhansk)	6-8km N	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 14:54-14:56
	6-8km NE	Heard	6	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 14:54-14:56
Holubivske (non-government-controlled, 51km W of Luhansk)	3-5km NE	Heard	2	Explosion	Undetermined	N/K	21-Feb, 11:04-11:17
	4-5km E	Heard	4	Shot		Small arms	21-Feb, 11:04-11:17
S edge of Holubivske (non-government controlled, 51km W of Luhansk)	4-5km E	Heard	2	Explosion	Undetermined	N/K	21-Feb, 12:38-12:46
	2-3km NE	Heard	7	Shot		HMG	21-Feb, 12:38-12:46
	2-3km NE	Heard	13	Burst		HMG	21-Feb, 12:38-12:46
	3-5km N	Heard	6	Burst		HMG	21-Feb, 12:38-12:46
N edge of Trokhizbenka (government-controlled, 32km NW of Luhansk)	4-5km S	Heard	2	Explosion	Impact	N/K	21-Feb, 11:09
	4-5km S	Heard	4	Burst		HMG	21-Feb, 11:16
	10-15km SW	Heard	2	Explosion	Impact	N/K	21-Feb, 11:25
E edge of Donetskyyi (non-government controlled, 49km west of Luhansk)	4-5km NE	Heard	7	Explosion	Undetermined	N/K	21-Feb, 12:13-12:20
	4-5km N	Heard	6	Shot		HMG	21-Feb, 12:13-12:20
	4-5km N	Heard	12	Burst		HMG	21-Feb, 12:13-12:20
NE edge of Holubivka (formerly Kirovsk, non-government-controlled, 51km W of Luhansk)	5-6km NE	Heard	9	Burst		N/K	21-Feb, 12:50-12:56
1.7km SW of Molodizhne (non-government-controlled, 63km NW of Luhansk)	5-6km NNE	Heard	4	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 14:10-14:11

Map of Donetsk and Luhansk regions¹⁰

¹⁰ 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).