

# Daily Report 41/2022

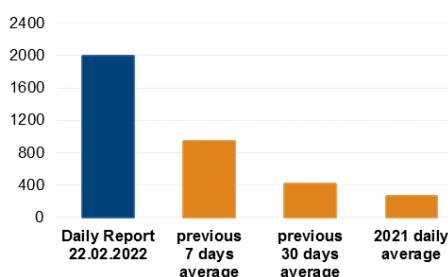
22 February 2022<sup>1</sup>

## Summary

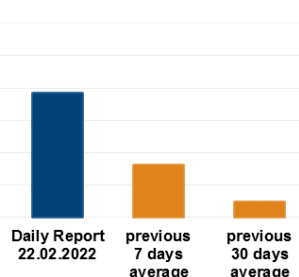
- In Donetsk region, the SMM recorded 703 ceasefire violations, including 332 explosions. In the previous 24 hours, it recorded 579 ceasefire violations in the region.
- In Luhansk region, the Mission recorded 1,224 ceasefire violations, including 1,149 explosions. In the previous 24 hours, it recorded 333 ceasefire violations in the region.
- The SMM followed up on reports of damage to four inhabited properties in government-controlled Novohnativka and to a children’s centre in government-controlled Marinka, Donetsk region.
- The Mission continued monitoring the disengagement areas near Stanytsia Luhanska, Zolote and Petrivske. It recorded ceasefire violations (including explosions) close to the disengagement areas near Stanytsia Luhanska and Zolote, and inside the disengagement areas near Stanytsia Luhanska and Petrivske as well as observing craters assessed as recent.
- The SMM monitored the operation of critical civilian infrastructure.
- The Mission continued to follow up on the situation of civilians, including at four entry-exit checkpoints and three corresponding checkpoints of the armed formations in Donetsk and Luhansk regions.
- The SMM monitored a crossing point on the border with the Russian Federation in Kharkiv region.
- The Mission observed gatherings in Ivano-Frankivsk and Odessa.
- The SMM’s freedom of movement continued to be restricted, including at checkpoints of the armed formations in Donetsk and in Luhansk regions. The Mission’s unmanned aerial vehicles again encountered instances of GPS signal interference, assessed as caused by probable jamming.\*

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

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



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



<sup>1</sup> Based on information from the Monitoring Teams as of 19:30, 21 February 2022. All times are in Eastern European Time. During the reporting period, the SMM camera in Petrivske was not operational.

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

<sup>3</sup> Including explosions.

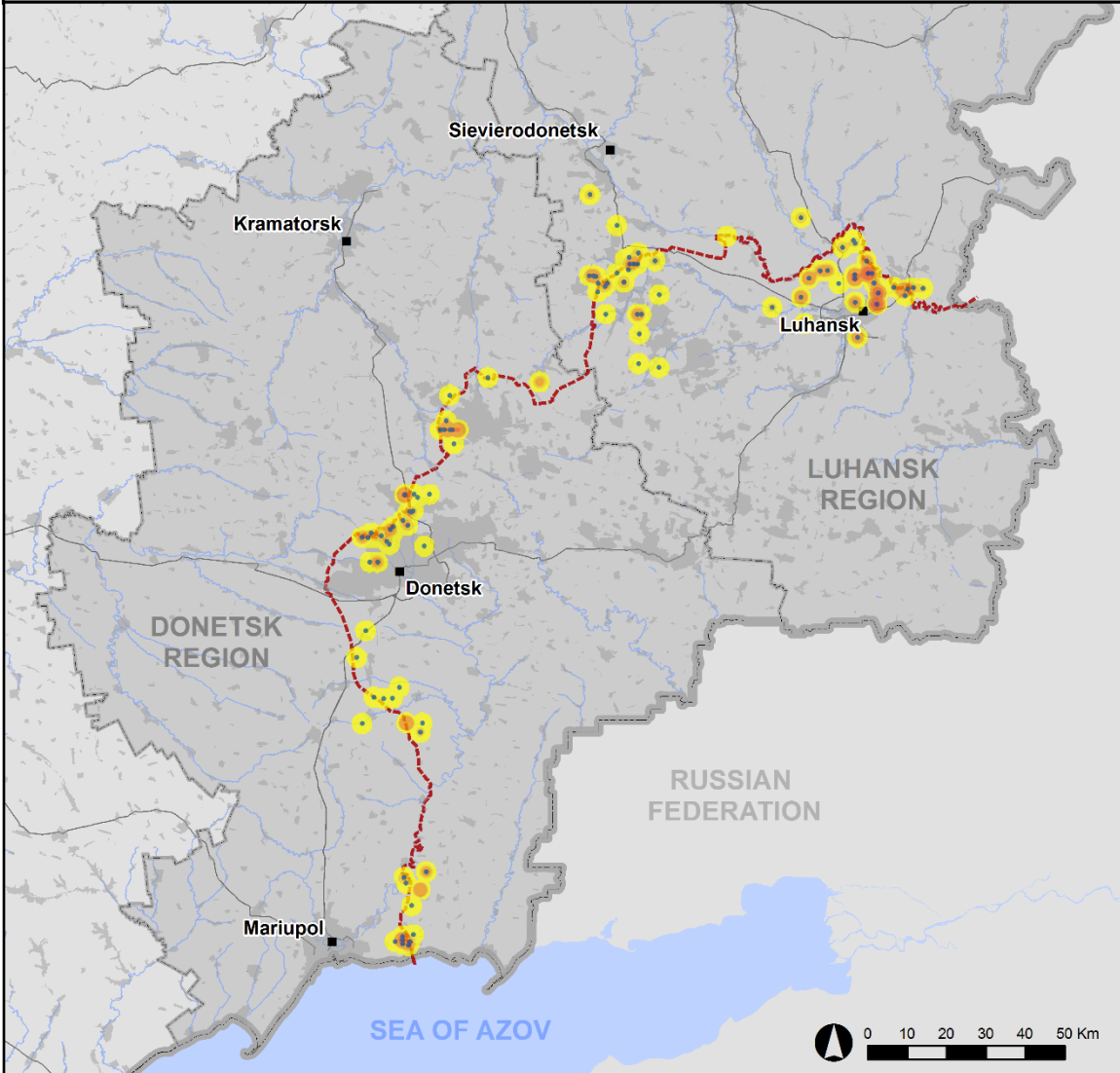
<sup>4</sup> Including from unidentified weapons.

### Map of recorded ceasefire violations

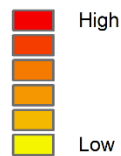


Organization for Security and  
Co-operation in Europe  
Special Monitoring Mission to Ukraine

## Ceasefire violations observed by the SMM 21 February 2022



#### 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.

© OSCE SMM 2019 Use, copy, reproduction, transmission, broadcasting, sale, license, or exploitation not permitted without OSCE prior written authorization.

Created: 22/02/2022

In Donetsk region, the SMM recorded 703 ceasefire violations, including 332 explosions (five airbursts, eight impacts and 319 undetermined). The majority of ceasefire violations were recorded in areas south-west, west, and west-north-west of Horlivka (non-government-controlled, 39km north-east of Donetsk), in areas north, north-north-east, and north-north-west of Shyrokyne (government-controlled, 100km south of Donetsk), and inside and close to the disengagement area near Petrivske (non-government-controlled, 41km south of Donetsk). In the [previous 24 hours](#), the Mission recorded 579 ceasefire violations in the region, some of which also occurred near Shyrokyne.

In Luhansk region, the SMM recorded 1,224 ceasefire violations, including 1,149 explosions (108 outgoing, 103 impacts and 938 undetermined). The majority of ceasefire violations were recorded inside and close to the disengagement area near Stanytsia Luhanska (government-controlled, 16km north-east of Luhansk), in areas north, west, west-north-west, and north-west of non-government-controlled Luhansk city, and in areas close to the disengagement area near Zolote (government-controlled, 60km west of Luhansk). In the [previous 24 hours](#), the SMM recorded 333 ceasefire violations in the region, the majority of which also occurred near the disengagement areas near Stanytsia Luhanska and Zolote.

Following agreement reached at the meeting of the Trilateral Contact Group on 22 July 2020 regarding Measures to strengthen the ceasefire, from 00:01 on 27 July 2020 until the end of the reporting period, the SMM has recorded at least 116,926 ceasefire violations in both Donetsk and Luhansk regions (including 35,266 explosions, 26,392 projectiles in flight, 491 muzzle flashes, 524 illumination flares, and at least 54,253 bursts and shots).

### **Damage to four inhabited properties in Novohnativka and to a children's centre in Marinka, Donetsk region**

On 20 February, the Mission followed up on reports of damage to four inhabited properties reported to have occurred on the night of 18-19 February in the eastern part of Novohnativka (government-controlled, 40km south of Donetsk).

At 13 Sadova Street, the SMM saw three craters (about 1.5m in diameter each) in a yard about 7m east, 8m south-east, and 3m south-west of an inhabited one-storey residential house. About 3m south-west of the third crater, the Mission saw a heavily damaged detached kitchen. The SMM also observed broken glass panes in two south-west- and two south-east-facing windows, as well as about 20 marks, assessed as caused by shrapnel on the house's south-west-facing wall, as well as a damaged wooden fence about 7m east of the house.

About 50m further south-south-west, at 15 Sadova Street in a yard about 20m east-south-east of an inhabited one-storey house, the SMM saw another crater (about 1.5m in diameter). The SMM observed that the glass of two south-east-facing windows was broken and saw three holes in the south-eastern side of the house's roof as well as five marks assessed as caused by shrapnel on its north-east- and south-east-facing walls. About 5m south-east of the house, it also saw a partially destroyed detached toilet.

About 30m further north-west, at 12 Sadova Street, the SMM observed that the glass panes of two south-east-facing windows of an inhabited one-storey house were broken.

About 30m further north-east, at 3 Sadova Street, the SMM observed that the glass panes of two south-east-facing windows of an inhabited one-storey house were broken.

The SMM assessed the craters and damage to the four houses as recent and caused by the impact of probable 82mm mortar rounds and resulting shrapnel and blast waves.

On 21 February, the Mission followed up on reports of damage to a centre for children reported to have occurred on 17 February in the centre of Marinka (government-controlled, 23km south-west of Donetsk).

At Shevchenka Street 1, the SMM saw a hole in a double-pane of a south-east-facing window on the first floor of a two-storey building, as well as a bullet stuck between two window panes. The SMM assessed the damage as recent and caused by small-arms fire.

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

During the reporting period, the SMM cameras on Stanytsia Luhanska bridge and in Stanytsia Luhanska recorded 31 projectiles in flight assessed as inside the **disengagement area near Stanytsia Luhanska**, and four projectiles in flight unable to be assessed as inside or outside the area. The same SMM cameras also recorded 122 explosions (one airburst and 121 undetermined), while SMM patrols heard 32 undetermined explosions and ten bursts of heavy-machine-gun fire, assessed as outside the disengagement area, but within 5km of its periphery. (For details, see the table below.)

Inside the disengagement area, the Mission observed two members of the armed formations (wearing armbands with “JCCC” written on them) south of the repaired span of the Stanytsia Luhanska bridge.

An SMM mini-unmanned aerial vehicle (UAV) experienced GPS signal interference, assessed as caused by probable jamming during one flight over the disengagement area (see below).

During the reporting period, the SMM cameras on the northern edge of Popasna (government-controlled, 69km west of Luhansk), in Zolote and in Pervomaisk (non-government-controlled, 58km west of Luhansk) recorded 14 undetermined explosions, 24 projectiles in flight and one illumination flare, while SMM patrols heard 72 explosions (16 outgoing, 16 impacts and 40 undetermined), assessed as outside the **disengagement area near Zolote**, but within 5km of its periphery. The SMM camera in Zolote also recorded three undetermined explosions unable to be assessed as inside or outside the area. (For details, see the table below.)

In Zolote-4/Rodina (government-controlled, 62km west of Luhansk), about 1km north-west of the disengagement area’s north-eastern corner, the Mission saw a crater in a field about 10m east of a local road, assessed as recent, but was unable to assess the type of weapon used or the direction of fire.

Near the checkpoint of the armed formations south of the disengagement area, the Mission observed two members of the armed formations (wearing armbands with “JCCC” written on them). It also observed that the previously reported road barriers across road T-1316, on the area’s southern edge, continued to be closed.

---

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

During the day on 20 February, an SMM long-range UAV spotted two people inside a former position of the Ukrainian Armed Forces inside the **disengagement area near Petrivske**, about 100m north of the area's southern edge and about 1.5km east of its south-western corner.

On 21 February, the SMM camera 2km east of Bohdanivka (government-controlled, 41km south-west of Donetsk) recorded 59 undetermined explosions, assessed as inside the disengagement area, as well as eleven undetermined explosions, assessed as outside the disengagement area, but within 5km of its periphery. (For details, see the table below.)

On the same day, while positioned at two locations near the disengagement area, the Mission observed a calm situation. At a checkpoint about 3km north of Petrivske, a member of the armed formations [for the fourth time](#) denied the Mission passage further south, which prevented the SMM from monitoring non-government-controlled areas east of the disengagement area (see below).\*

On the same day, about 1.5km east-north-east of Bohdanivka, the Mission observed 15 impact craters (about 1-2m in diameter) scattered around a 300m diameter circle in fields north and south of road C-050563 leading east towards Viktorivka (non-government-controlled, 42km south-west of Donetsk). All these craters were assessed as recent and caused by the impact of 120mm and 82mm mortar rounds. About 100m east of the camera, the SMM saw two soldiers of the Ukrainian Armed Forces assessed as constructing an obstacle on the same road using a wooden pole.

### **Weapons that the SMM could not verify as withdrawn<sup>6</sup>**

*At one heavy weapons holding area in a government-controlled area of Luhansk region*  
21 February

The Mission noted that no weapons were present, as during the previous visit to this site on 24 August 2021.

### **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.

In violation of withdrawal lines, the SMM saw two surface-to-air missile systems in government-controlled areas of Luhansk region and three howitzers in a non-government-controlled area of Donetsk region.

Beyond withdrawal lines but outside of designated storage sites, the Mission saw seven tanks in a government-controlled area of Donetsk region and 28 tanks, 10 howitzers, one mortar, and three towed howitzers/mortars in non-government-controlled areas of Luhansk region, including in a residential area and in two training areas. (For further information, see the tables below.)

---

<sup>6</sup> The SMM observed 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.

### **Indications of military and military-type presence in the security zone**

The SMM saw three armoured combat vehicles in government-controlled areas of Donetsk region and 13 armoured combat vehicle in non-government-controlled areas of Donetsk and Luhansk regions. (For further information, see the table below.)

### **Gatherings of people and convoys in Luhansk region**

Over the reporting period, in various locations in non-government-controlled areas of Luhansk region, the Mission saw people gathering (including at a railway station in Luhansk city) and several convoys of cars and buses (some of which bearing signs with “evacuation” written on them) driving eastwards with passengers (mostly women, children, and the elderly).

### **Presence of recent impact craters near Staromykhailivka, Donetsk region**

On 19 February, in a field about 2.5km south-west of Staromykhailivka (non-government-controlled, 15km west of Donetsk), an SMM mini-UAV spotted four recent impact craters (not seen in imagery from 24 January 2021), assessed as caused by rocket-propelled grenades, in some cases with their tailfins visible inside the craters. The Mission was unable to determine the direction of fire.

### **Presence of anti-tank mines near government-controlled Travneve, Donetsk region**

On 20 February, on the south-western edge of Travneve (government-controlled, 51km north-east of Donetsk), an SMM long-range UAV spotted a total of 28 previously reported anti-tank mines laid in two rows across a local road leading south towards Holmivskiyi (non-government-controlled, 49km north-east of Donetsk), assessed as belonging to the Ukrainian Armed Forces. (For previous observations in the area, see [SMM Daily Report of 20 November 2021](#).)

On the same day, about 800m north of Holmivskiyi (non-government-controlled, 49km north-east of Donetsk), the same UAV spotted ten previously reported anti-tank mines on the edge of a local road, assessed as belonging to the armed formations. (For previous observations in the area, see [SMM Daily Report of 17 November 2021](#).)

### **SMM facilitation of the operation of critical civilian infrastructure**

The SMM continued to facilitate the operation of the Donetsk Filtration Station (DFS) (15km north of Donetsk). While positioned at two locations near the DFS, the SMM heard 25 undetermined explosions, assessed as within a 5km radius of the station, 14 of which occurred during the transfer of workers between Yasynuvata (non-government-controlled, 16km north-east of Donetsk) and the station.

### **Situation at entry-exit checkpoints and corresponding checkpoints**

In Donetsk region, the Mission observed that the entry-exit checkpoint (EECP) near Novotroitske (government-controlled, 36km south-west of Donetsk) was open, with civilian traffic passing through in both directions. A representative of the State Border Guard Services

of Ukraine told the SMM that current civilian traffic was about half of the usual amount, and claimed this was due to the deterioration of the security situation.

In Luhansk region, the SMM observed that the EECP near Stanytsia Luhanska and the corresponding checkpoint of the armed formations south of the repaired span of the Stanytsia Luhanska bridge were open, with people queuing to travel in both directions.

The Mission also observed that the EECP near Zolote was open, but that the corresponding checkpoint of the armed formations south of the disengagement area near Zolote was closed. It noted that the EECP near Shchastia was closed for the second consecutive day. (For previous observations in the area, see [SMM Daily Report of 21 February 2022](#).)

### **Areas near the border outside government control<sup>7</sup>**

On 19 February, close to the border crossing point near Uspenka (73km south-east of Donetsk) and north-north-west of the border with the Russian Federation, aerial imagery available to the SMM revealed a convoy of five buses moving north-west on road T-0507. (For previous observations in the area, see [SMM Daily Report of 21 February 2022](#).)

On 21 February, while at a border crossing point near Voznesenivka (non-government-controlled, formerly Chervonopartyzansk, 65km south-east of Luhansk) the Mission observed three cars (including one with “LPR” plates) exiting Ukraine. After about ten minutes, two members of the armed formations told the SMM to leave the area.\*

While at the Chervona Mohyla railway station in Voznesenivka (formerly Chervonopartyzansk, 65km south-east of Luhansk), the SMM observed no change in the security situation. After about two minutes, two armed members of the armed formations told the Mission to leave the area.\*

### **The SMM monitored a crossing point on the border with the Russian Federation in Kharkiv region**

While at a border crossing point in Hoptivka (33km north of Kharkiv), Kharkiv region, the Mission saw that it was open, with traffic entering and exiting Ukraine, and observed no change in the security situation.

### **The SMM monitored gatherings in Ivano Frankivsk and Odessa**

On 18 February, in Ivano-Frankivsk, and on 20 February, in Odessa, the SMM observed gatherings of about 400 and 1,500 people (mixed gender and ages), respectively, commemorating those who lost their lives during Maidan-related events in 2014. The Mission observed ten and 16 police officers nearby, respectively, and a calm situation.

The Mission continued monitoring in Kherson, Lviv, Dnipro and Chernivtsi and Kyiv, and observed no change in the security situation.

---

<sup>7</sup> According to decisions in 2014 by the Cabinet of Ministers of Ukraine, operations are officially designated as suspended at these and other border crossing points located outside government control.

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

#### Denials:

- At a checkpoint of the armed formations about 3km north of Petrivske (non-government-controlled, 41km south of Donetsk), a visibly armed member of the armed formations [for the fourth time](#) denied the SMM passage further south, citing “security reasons”, thus preventing the Mission from monitoring the security situation east of the disengagement area near Petrivske.
- Near the north-western edge of Yasynuvata (non-government-controlled, 16km north-east of Donetsk), the Mission could not proceed toward the pumping station in Vasylivka (non-government-controlled, 20km north of Donetsk) due to an improvised checkpoint made of a road barrier with a “STOP” sign and a mine sign attached on to it, thus preventing the Mission from conducting an impact site assessment near the station.
- On a local road between Kruta Balka (non-government-controlled, 16km north of Donetsk) and Vasylivka, two visibly armed members of the armed formations denied the SMM passage towards the pumping station, thus preventing the Mission from conducting an impact site assessment near the station.
- At a checkpoint near Starolaspa (non-government-controlled, 51km south of Donetsk), two visibly armed members of the armed formations [again](#) denied the Mission passage towards the settlement citing “security concerns” and “engineering works in the area”.
- In Kadiivka (formerly Stakhanov, non-government-controlled, 50km west of Luhansk), five visibly armed members of the armed formations denied the SMM passage into the settlement.
- At a border crossing point near Voznesenivka (formerly Chervonopartyzansk, non-government-controlled, 65km south-east of Luhansk), two members of the armed formations told the SMM to leave the area.
- At the Chervona Mohyla railway station in Voznesenivka, two visibly armed members of the armed formations told the Mission to leave 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:

- SMM mini-UAVs experienced GPS signal interference, assessed as caused by probable jamming during eight flights: twice over areas near Sukhodilsk (non-government-controlled, 38km south-east of Luhansk), once over areas near Sartana (government-controlled, 91km south of Donetsk), Khersones (government-controlled, 87km south of Donetsk), Zolote-2/Karbonit (government-controlled, 62km west of Luhansk), Mykolaivka (non-government-controlled, 15km east of Luhansk), Luhansk city (non-government-controlled), and once over the disengagement area near Stanytsia Luhanska (government-controlled, 16km north-east of Luhansk).

## Table of weapons

### Weapons in violation of withdrawal lines

Date	No. of weapons	Type of weapon	Location	Source of observation
<b>Government-controlled areas</b>				
21/2/2022	1	Surface-to-air missile system (9K33 <i>Osa</i> )	Near Trokhizbenka (32km north-west of Luhansk)	Patrol
	1		Near Komyshuvakha (68km west of Luhansk)	
<b>Non-government-controlled areas</b>				
19/2/2022	3	Towed howitzer (type undetermined)	Near Donetsk city	Mini-UAV

### Beyond withdrawal lines but outside of designated storage sites

Date	No. of weapons	Type of weapon	Location	Source of observation
<b>Government-controlled areas</b>				
20/2/2022	7	Tank (T-64 variant)	Near Vozdvizhenka (40km north-west of Donetsk)	Long-range UAV
<b>Non-government-controlled areas</b>				
19/2/2022	3	Towed howitzer/mortar (type undetermined)	In a training area near Miusynsk (62km south-west of Luhansk), where imagery also revealed the presence of 46 armoured combat vehicles <sup>8</sup>	Aerial imagery
	10	Self-propelled howitzer (type undetermined)		
	10	Tank (type undetermined)		
20/2/2022	17	Tank (type undetermined)	In a training area near Buhaivka (37km south-west of Luhansk), where imagery also revealed the presence of 57 armoured combat vehicles	
21/2/2022	1	Towed mortar (2B9 <i>Vasilek</i> , 82mm)	In a residential area of Dubove (formerly Komsomolskyi, 56km south-east of Luhansk)	Patrol
	1	Tank (T-72)	Near Perevalsk (38km west of Luhansk)	

### Other weapons<sup>9</sup>

Date	No. of weapons	Type of weapon	Location	Source of observation
<b>Non-government-controlled areas</b>				
20/2/2022	5	Towed artillery (type undetermined)	In a training area near Buhaivka (37km south-west of Luhansk)	Aerial imagery

### **Table of military and military-type presence in the security zone**<sup>10</sup>

Date	No.	Type	Location	Source of observation
<b>Government-controlled areas</b>				
20/2/2022	2	Probable armoured combat vehicle (type undetermined)	Near Maiorsk (45km north-east of Donetsk)	Long-range UAV
21/2/2022	1	Infantry fighting vehicle (BMP-1)	Near Novotroitske (36km south-west of Donetsk)	Patrol
<b>Non-government-controlled areas</b>				
21/2/2022	2	Armoured combat vehicle (BTR-type)	Near Starobesheve (32km south-east of Donetsk)	Patrol

<sup>8</sup> The armoured combat vehicles mentioned in this table are not proscribed by the provisions of the Minsk agreements on the withdrawal of weapons.

<sup>9</sup> The SMM was unable to assess whether these weapons were in violation of withdrawal lines as it could not distinguish the specific system, and hence, calibre.

<sup>10</sup> The hardware mentioned in this section is not proscribed by the provisions of the Minsk agreements on the withdrawal of weapons.

	9	Infantry fighting vehicles (BMP-type)	Near Metalist (7km north-west of Luhansk)	
	2	Armoured personnel carrier (MT-LB)		

**Table of ceasefire violations as of 21 February 2022<sup>11</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	3-5km NE	Recorded	3	Projectile	NW to SE	N/K	21-Feb, 18:00
	3-5km NE	Recorded	2	Projectile	NW to SE	N/K	21-Feb, 18:00
	3-5km NE	Recorded	2	Explosion	Impact (subsequent to previous event)	N/K	21-Feb, 18:00
	3-5km NE	Recorded	7	Projectile	NW to SE	N/K	21-Feb, 18:01
	3-5km NE	Recorded	2	Projectile	NW to SE	N/K	21-Feb, 18:01
	3-5km NE	Recorded	2	Explosion	Impact (subsequent to previous event)	N/K	21-Feb, 18:01
	3-5km NE	Recorded	10	Projectile	NW to SE	N/K	21-Feb, 18:02
	3-5km NE	Recorded	9	Projectile	NW to SE	N/K	21-Feb, 18:03
	3-5km NE	Recorded	12	Projectile	NW to SE	N/K	21-Feb, 18:04
	3-5km NE	Recorded	11	Projectile	NW to SE	N/K	21-Feb, 18:05
	3-5km NE	Recorded	1	Muzzle flash		N/K	21-Feb, 18:06
	3-5km NE	Recorded	1	Projectile	NW to SE (subsequent to previous event)	N/K	21-Feb, 18:06
	3-5km NE	Recorded	11	Projectile	NW to SE	N/K	21-Feb, 18:06
	3-5km ESE	Recorded	2	Projectile	SW to NE		21-Feb, 17:38
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-4km E	Recorded	2	Explosion	Undetermined	N/K	20-Feb, 22:52
SMM camera 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	1-3km E	Recorded	16	Projectile	N to S (assessed as inside the disengagement area near Petrivske)	N/K	20-Feb, 20:14
	1-3km E	Recorded	11	Projectile	In vertical flight (assessed as inside the disengagement area near Petrivske)	N/K	20-Feb, 20:14
	1-3km E	Recorded	15	Projectile	In vertical flight (assessed as inside the disengagement area near Petrivske)	N/K	20-Feb, 20:15
	1-3km E	Recorded	17	Projectile	In vertical flight (assessed as inside the disengagement area near Petrivske)	N/K	20-Feb, 20:16
	5-7km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement)	N/K	20-Feb, 20:18

<sup>11</sup> The table only includes ceasefire violations directly observed by SMM patrols or recorded by the SMM cameras, and it may include those also assessed to be live-fire exercises, controlled detonations, etc. Details provided – in terms of distance, direction, weapons-type, etc. – are based on assessments provided by monitors on the ground and technical monitoring officers, and are not always necessarily precise. When information is not known (indicated with an “N/K”), the SMM was unable to ascertain such information due to distance, weather conditions technical limitations and/or other considerations. Ceasefire violations recorded by more than one patrol/camera and assessed to be the same are entered only once.

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
					area near Petrivske)		
	5-7km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	20-Feb, 20:20
	5-7km ESE	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	20-Feb, 20:22
	5-7km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	20-Feb, 20:23
	5-7km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	20-Feb, 20:27
	5-7km ESE	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	20-Feb, 20:29
	5-7km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	20-Feb, 20:30
	5-7km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	20-Feb, 20:31
	5-7km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	20-Feb, 20:32
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	5-7km ESE	Recorded	5	Explosion	Undetermined	N/K	21-Feb, 03:31
	5-7km ESE	Recorded	2	Explosion	Undetermined	N/K	21-Feb, 03:34
	5-7km ESE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 03:35
	5-7km ESE	Recorded	2	Explosion	Undetermined	N/K	21-Feb, 03:57
	5-7km ESE	Recorded	12	Explosion	Undetermined	N/K	21-Feb, 04:20
	5-7km ESE	Recorded	1	Illumination flare	In vertical flight (also seen by the SMM camera in Shyrokyne)	N/K	21-Feb, 04:31
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-3km S	Recorded	2	Projectile	WSW to ENE (also recorded by the SMM camera in Avdiivka)	N/K	20-Feb, 18:33

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	1-3km SSE	Recorded	2	Explosion	Airburst (subsequent to previous event, also recorded by the SMM camera in Avdiivka)	N/K	20-Feb, 18:33
	1-3km S	Recorded	1	Projectile	WNW to ESE (also recorded by the SMM camera in Avdiivka)	N/K	21-Feb, 17:38
	1-3km S	Recorded	1	Explosion	WNW to ESE (airburst, also recorded by the SMM camera in Avdiivka)		21-Feb, 17:38
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	4-6km ESE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 03:31
SMM camera at entry-exit checkpoint in Hnutove (government-controlled, 90km S of Donetsk)	4-6km E	Recorded	17	Projectile	WNW to ESE	N/K	21-Feb, 03:31
	4-6km E	Recorded	2	Muzzle flash		N/K	21-Feb, 03:34
	4-6km E	Recorded	2	Projectile	NW to SE (subsequent to previous event)	N/K	21-Feb, 03:34
	4-6km E	Recorded	3	Projectile	NW to SE	N/K	21-Feb, 03:39
	4-6km E	Recorded	5	Projectile	NW to SE	N/K	21-Feb, 03:55
	4-6km E	Recorded	1	Projectile	NW to SE	N/K	21-Feb, 04:07
	4-6km E	Recorded	16	Projectile	NW to SE	N/K	21-Feb, 04:20
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	7-8km ENE	Recorded	1	Explosion	Undetermined	N/K	20-Feb, 19:27
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	1-2km W	Recorded	2	Muzzle flash	Undetermined	N/K	20-Feb, 19:47
	3-4km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 03:59
	3-4km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:00
	4-6km W	Recorded	2	Explosion	Undetermined	N/K	21-Feb, 04:01
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:04
	4-6km W	Recorded	2	Explosion	Undetermined	N/K	21-Feb, 04:05
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:06
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:07
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:08
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:09
	4-6km W	Recorded	2	Explosion	Undetermined	N/K	21-Feb, 04:14
	4-6km W	Recorded	2	Explosion	Undetermined	N/K	21-Feb, 04:20
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:26
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:27
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:28
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:46
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:48
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:55
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:56
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:57
	4-6km W	Recorded	3	Explosion	Undetermined	N/K	21-Feb, 05:11
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 05:13
	2-4km WNW	Recorded	1	Muzzle flash		N/K	21-Feb, 18:21
	2-4km WNW	Recorded	1	Projectile	S to N (subsequent to previous event)	N/K	21-Feb, 18:21
	2-4km WNW	Recorded	1	Muzzle flash		N/K	21-Feb, 18:21
	2-4km WNW	Recorded	1	Projectile	S to N (subsequent to previous event)	N/K	21-Feb, 18:21

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time	
	2-4km WNW	Recorded	1	Explosion	S to N (subsequent to previous event)	N/K	21-Feb, 18:21	
	1-3km WNW	Recorded	9	Projectile	E to W	N/K	21-Feb, 18:40	
	2-4km ENE	Recorded	1	Projectile	WSW to ENE	N/K	21-Feb, 17:34	
	2-4km ENE	Recorded	1	Projectile	WNW to ESE	N/K	21-Feb, 17:36	
	2-4km NE	Recorded	4	Projectile	WNW to ESE	N/K	21-Feb, 17:38	
	2-4km NE	Recorded	1	Projectile	WSW to ENE	N/K	21-Feb, 17:38	
	2-4km NE	Recorded	1	Explosion	Airburst (subsequent to previous event)	N/K	21-Feb, 17:38	
	2-4km NE	Recorded	4	Projectile	WNW to ESE	N/K	21-Feb, 17:39	
	2-4km NE	Recorded	1	Projectile	WSW to ENE	N/K	21-Feb, 17:39	
	2-4km NE	Recorded	1	Explosion	Airburst (subsequent to previous event)	N/K	21-Feb, 17:39	
	2-4km NE	Recorded	2	Projectile	WNW to ESE	N/K	21-Feb, 17:46	
	2-4km NE	Recorded	2	Projectile	WNW to ESE	N/K	21-Feb, 17:47	
	2-4km NE	Recorded	5	Projectile	WNW to ESE	N/K	21-Feb, 18:00	
	2-4km NE	Recorded	3	Projectile	WNW to ESE	N/K	21-Feb, 18:06	
	3-5km NE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 18:13	
	3-5km NE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 18:20	
	SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	6-8km NNE	Recorded	2	Explosion	Undetermined	N/K	20-Feb, 19:24
		6-8km NNE	Recorded	4	Explosion	Undetermined	N/K	20-Feb, 19:25
		4-6km N	Recorded	1	Explosion	Undetermined	N/K	20-Feb, 20:22
4-6km N		Recorded	2	Explosion	Undetermined	N/K	20-Feb, 20:23	
4-6km N		Recorded	1	Explosion	Undetermined	N/K	20-Feb, 20:26	
4-6km N		Recorded	1	Explosion	Undetermined	N/K	20-Feb, 20:28	
4-6km N		Recorded	1	Explosion	Undetermined	N/K	20-Feb, 20:29	
4-6km N		Recorded	1	Explosion	Undetermined	N/K	20-Feb, 20:30	
4-6km N		Recorded	1	Explosion	Undetermined	N/K	20-Feb, 20:32	
4-6km N		Recorded	1	Explosion	Undetermined	N/K	20-Feb, 22:37	
4-6km N		Recorded	3	Explosion	Undetermined	N/K	20-Feb, 22:52	
4-6km N		Recorded	1	Explosion	Undetermined	N/K	20-Feb, 22:55	
4-6km N		Recorded	1	Explosion	Undetermined	N/K	20-Feb, 23:04	
4-6km N		Recorded	1	Explosion	Undetermined	N/K	20-Feb, 23:48	
4-6km N		Recorded	1	Explosion	Undetermined	N/K	20-Feb, 23:48	
4-6km N		Recorded	1	Projectile	E to W (subsequent to previous event)	N/K	20-Feb, 23:48	
3-5km NNE		Recorded	3	Explosion	Undetermined	N/K	21-Feb, 00:03	
3-5km N		Recorded	2	Explosion	Undetermined	N/K	21-Feb, 00:04	
3-5km NNE		Recorded	2	Explosion	Undetermined	N/K	21-Feb, 00:04	
4-6km NNE		Recorded	1	Explosion	Undetermined	N/K	21-Feb, 00:04	
4-6km N		Recorded	1	Explosion	Undetermined	N/K	21-Feb, 00:05	
3-5km NNE		Recorded	7	Explosion	Undetermined	N/K	21-Feb, 00:05	
4-6km N		Recorded	3	Explosion	Undetermined	N/K	21-Feb, 00:06	
3-5km NNE		Recorded	3	Explosion	Undetermined	N/K	21-Feb, 00:06	
4-6km N		Recorded	2	Explosion	Undetermined	N/K	21-Feb, 00:07	
3-5km NNE		Recorded	2	Explosion	Undetermined	N/K	21-Feb, 00:07	
3-5km NNE		Recorded	2	Explosion	Undetermined	N/K	21-Feb, 00:08	
4-6km N		Recorded	1	Explosion	Undetermined	N/K	21-Feb, 00:08	
4-6km N		Recorded	3	Explosion	Undetermined	N/K	21-Feb, 00:09	
3-5km NNE		Recorded	3	Explosion	Undetermined	N/K	21-Feb, 00:09	
4-6km N	Recorded	2	Explosion	Undetermined	N/K	21-Feb, 00:10		
4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 00:10		
4-6km N	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 00:11		
4-6km N	Recorded	1	Projectile	W to E (also recorded by the	N/K	21-Feb, 00:12		

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
					SMM camera in Hnutove)		
	4-6km N	Recorded	1	Explosion	Also recorded by the SMM camera in Hnutove	N/K	21-Feb, 00:20
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 01:01
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 01:04
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 01:05
	5-7km N	Recorded	2	Explosion	Undetermined	N/K	21-Feb, 01:06
	4-6km N	Recorded	2	Projectile	W to E	N/K	21-Feb, 01:06
	4-6km N	Recorded	6	Projectile	W to E	N/K	21-Feb, 01:07
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 01:08
	4-6km N	Recorded	4	Projectile	W to E	N/K	21-Feb, 01:09
	4-6km N	Recorded	7	Explosion	Undetermined	N/K	21-Feb, 01:09
	4-6km N	Recorded	2	Projectile	W to E	N/K	21-Feb, 01:11
	4-6km N	Recorded	7	Explosion	Undetermined	N/K	21-Feb, 01:11
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 01:12
	4-6km N	Recorded	3	Explosion	Undetermined	N/K	21-Feb, 01:13
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 01:14
	4-6km N	Recorded	2	Explosion	Undetermined	N/K	21-Feb, 01:15
	4-6km N	Recorded	2	Explosion	Undetermined	N/K	21-Feb, 01:16
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 01:18
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 01:19
	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 01:37
	4-6km N	Recorded	4	Projectile	W to E	N/K	21-Feb, 01:42
	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 01:52
	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 02:02
	4-6km N	Recorded	3	Projectile	E to W	N/K	21-Feb, 02:05
	4-6km N	Recorded	1	Projectile	W to E	N/K	21-Feb, 02:12
	4-6km N	Recorded	4	Projectile	In vertical flight	N/K	21-Feb, 02:27
	4-6km NNW	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 02:28
	4-6km NNW	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 02:39
	4-6km N	Recorded	3	Projectile	E to W	N/K	21-Feb, 02:41
	4-6km N	Recorded	1	Illumination flare	In vertical flight	N/K	21-Feb, 04:02
	4-6km N	Recorded	3	Projectile	W to E	N/K	21-Feb, 04:09
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-3km SE	Recorded	2	Projectile	W to E	N/K	20-Feb, 22:06
	2-3km SE	Recorded	1	Projectile	NNE to SSW	N/K	20-Feb, 22:14
	2-3km SE	Recorded	4	Projectile	ENE to WSW	N/K	20-Feb, 22:14
	2-3km SE	Recorded	11	Projectile	ENE to WSW	N/K	20-Feb, 22:15
	2-3km SE	Recorded	2	Projectile	NNE to SSW	N/K	20-Feb, 22:15
Donetsk city (non-government-controlled)	5-7km NE	Heard	2	Explosion	Undetermined	N/K	20-Feb, 00:12-00:13
	9-10km N	Heard	15	Explosion	Undetermined	N/K	20-Feb, 03:59-04:06
	7-8km NW	Heard	5	Explosion	Undetermined	N/K	20-Feb, 04:06-04:08
	9-10km NW	Heard	5	Explosion	Undetermined	N/K	20-Feb, 04:08-04:10
	7-8km NW	Heard	7	Explosion	Undetermined	N/K	20-Feb, 04:12-04:16
	6-7km NW	Heard	1	Explosion	Undetermined	N/K	20-Feb, 04:26
	7-8km W	Heard	4	Explosion	Undetermined	N/K	20-Feb, 04:28-04:29
	9-10km NW	Heard	2	Explosion	Undetermined	N/K	20-Feb, 04:33-04:38
	7-8km W	Heard	17	Explosion	Undetermined	N/K	20-Feb, 04:39-04:48
	9-10km W	Heard	5	Explosion	Undetermined	N/K	20-Feb, 04:54-04:58
Horlivka (non-government-controlled, 39km NE of Donetsk)	4-5km W	Heard	1	Explosion	Undetermined	Artillery (type N/K)	21-Feb, 08:01
About 6km NW of Horlivka (non-government-controlled, 39km NE of Donetsk)	5km NW	Heard	2	Explosion	Undetermined	N/K	21-Feb, 10:51
About 1.8km SSE of Kamianka (government-controlled, 20km N of Donetsk)	3km ESE	Heard	3	Explosion	Undetermined	N/K	21-Feb, 08:56-08:59



SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km SW	Heard	11	Explosion	Undetermined	N/K	21-Feb, 09:07-09:11
	2-4km NNW	Heard	3	Explosion	Undetermined	N/K	21-Feb, 09:08-09:10
	3-5km NE	Heard	1	Explosion	Undetermined	N/K	21-Feb, 09:52
	5-6km SW	Heard	1	Explosion	Undetermined	N/K	21-Feb, 11:11
	5-6km SW	Heard	7	Explosion	Undetermined	N/K	21-Feb, 11:28
About 2.5km NE of Novotroitske (government-controlled, 36km SW of Donetsk)	12-14km NNE	Heard	4	Explosion	Undetermined	N/K	21-Feb, 12:15-12:45
	12-14km ESE	Heard	4	Explosion	Undetermined	N/K	21-Feb, 12:15-12:45
About 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	8-10km N	Heard	4	Explosion	Outgoing	N/K	21-Feb, 12:27-12:35
	8-10km NW	Heard	4	Explosion	Impact	N/K	21-Feb, 12:27-12:35
Novohnativka (government-controlled, 40km S of Donetsk)	5-6km NNE	Heard	2	Explosion	Outgoing	N/K	21-Feb, 12:13-12:25
	5-6km NNE	Heard	1	Explosion	Undetermined	N/K	21-Feb, 12:13-12:25
	3-4km WSW	Heard	2	Explosion	Impact	N/K	21-Feb, 12:13-12:25
Pavlopil (government-controlled, 84km S of Donetsk)	1-3km NE	Heard	2	Explosion	Undetermined	N/K	21-Feb, 11:17
	1-3km E	Heard	2	Explosion	Undetermined	N/K	21-Feb, 11:17
	1-3km NE	Heard	7	Explosion	Undetermined	N/K	21-Feb, 11:31-11:39
	1-3km NE	Heard	5	Explosion	Undetermined	N/K	21-Feb, 11:43-11:46
	1-3km E	Heard	2	Explosion	Undetermined	N/K	21-Feb, 11:43-11:46
Horlivka (non-government-controlled, 39km NE of Donetsk)	4-6km W	Heard	44	Burst		HMG	21-Feb, 15:26-15:30
	4-5km W	Heard	1	Explosion	Impact	Artillery (type N/K)	21-Feb, 15:31
	4km W	Heard	1	Explosion	Impact	Artillery (type N/K)	21-Feb, 15:31
	5-7km W	Heard	2	Explosion	Undetermined	N/K	21-Feb, 15:32
	2-3km W	Heard	55	Burst		HMG	21-Feb, 15:43-15:46
	5km SW	Heard	2	Explosion	Undetermined	N/K	21-Feb, 15:46
	2-3km W	Heard	10	Burst		HMG	21-Feb, 15:47-15:49
	5-7km W	Heard	7	Explosion	Undetermined	N/K	21-Feb, 15:51-15:53
	5-7km WNW	Heard	10	Explosion	Undetermined	N/K	21-Feb, 16:55-16:59
	5-7km W	Heard	2	Explosion	Undetermined	Artillery (type N/K)	21-Feb, 17:23
	5-7km W	Heard	6	Explosion	Undetermined	Artillery (type N/K)	21-Feb, 17:55-17:57
	6-8km W	Heard	6	Explosion	Undetermined	Artillery (type N/K)	21-Feb, 18:11-18:15
	SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	3-4km SSW	Recorded	2	Muzzle flash		N/K
3-4km SSW		Recorded	2	Illumination flare		N/K	21-Feb, 02:59
3-4km SSW		Recorded	1	Illumination flare		N/K	21-Feb, 03:00
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	4-6km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	20-Feb, 19:19
	4-6km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	20-Feb, 21:02
SMM camera on Stanytsia Luhanska bridge (15km NE of Luhansk)	2-3km SSE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 03:31
	1-3km SSE	Recorded	4	Projectile	NE to SW (unable to assess if inside or outside the	N/K	21-Feb, 03:32

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
					disengagement area)		
	0.8-1.2km SSE	Recorded	2	Muzzle flash	Assessed as inside the disengagement area		21-Feb, 17:36
	0.8-1.2km SSE	Recorded	2	Projectile	SW to NE (subsequent to previous event, assessed as inside the disengagement area)		21-Feb, 17:36
	0.8-1.2km SSE	Recorded	1	Muzzle flash	Assessed as inside the disengagement area		21-Feb, 17:37
	0.8-1.2km SSE	Recorded	1	Projectile	SW to NE (subsequent to previous event, assessed as inside the disengagement area)		21-Feb, 17:37
	0.8-1.2km SSE	Recorded	1	Projectile	SW to NE (assessed as inside the disengagement area)		21-Feb, 17:37
	0.8-1.2km SSE	Recorded	6	Projectile	SW to NE (assessed as inside the disengagement area)		21-Feb, 18:19
	0.8-1.2km SSE	Recorded	2	Muzzle flash	Assessed as inside the disengagement area		21-Feb, 18:19
	0.8-1.2km SSE	Recorded	2	Projectile	SW to NE (subsequent to previous event, assessed as inside the disengagement area)		21-Feb, 18:19
	0.8-1.2km SSE	Recorded	5	Muzzle flash	Assessed as inside the disengagement area		21-Feb, 18:20
	0.8-1.2km SSE	Recorded	5	Projectile	SW to NE (subsequent to previous event, assessed as inside the disengagement area)		21-Feb, 18:20
	0.8-1.2km SSE	Recorded	10	Projectile	SW to NE (assessed as inside the disengagement area)		21-Feb, 18:20
	0.8-1.2km SSE	Recorded	1	Muzzle flash	Assessed as inside the		21-Feb, 18:21

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
					disengagement area		
	0.8-1.2km SSE	Recorded	1	Projectile	SW to NE (subsequent to previous event, assessed as inside the disengagement area)		21-Feb, 18:21
	0.8-1.2km SSE	Recorded	3	Projectile	SW to NE (assessed as inside the disengagement area)		21-Feb, 18:21
	5-8km WSW	Recorded	4	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 20:35
	5-8km WSW	Recorded	9	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 20:36
	5-8km WSW	Recorded	7	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 20:37
	5-8km WSW	Recorded	9	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 20:38
	5-8km WSW	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area )	N/K	20-Feb, 20:39
	5-8km WSW	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 20:40
	5-8km WSW	Recorded	5	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 20:51
	5-8km WSW	Recorded	4	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 20:52
	6-8km W	Recorded	2	Explosion	Undetermined	N/K	20-Feb, 20:52
	5-8km WSW	Recorded	6	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 20:53
	6-8km W	Recorded	2	Explosion	Undetermined	N/K	20-Feb, 20:53
	6-8km W	Recorded	4	Explosion	Undetermined	N/K	20-Feb, 21:00
	6-8km W	Recorded	1	Explosion	Undetermined	N/K	20-Feb, 21:02

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	5-8km WSW	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 21:05
	5-8km WSW	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 21:06
	5-8km WSW	Recorded	5	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 21:07
	5-8km WSW	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 21:08
	6-8km W	Recorded	1	Explosion	Undetermined	N/K	20-Feb, 22:14
	6-8km W	Recorded	1	Explosion	Undetermined	N/K	20-Feb, 22:20
	6-8km W	Recorded	1	Explosion	Undetermined	N/K	20-Feb, 22:21
	6-8km W	Recorded	2	Explosion	Undetermined	N/K	20-Feb, 22:22
	6-8km W	Recorded	1	Explosion	Undetermined	N/K	20-Feb, 22:23
	6-8km W	Recorded	3	Explosion	Undetermined	N/K	21-Feb, 04:36
	6-8km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:39
	5-8km WSW	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 04:56
	5-8km WSW	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 04:57
	5-8km WSW	Recorded	6	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 04:58
	5-8km WSW	Recorded	1	Explosion	Airburst (assessed as outside the disengagement area)	N/K	21-Feb, 04:58
	5-8km WSW	Recorded	6	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 04:59
	5-8km WSW	Recorded	5	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 05:05
	5-8km WSW	Recorded	7	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 05:06
	5-8km WSW	Recorded	5	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 05:07

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
					outside the disengagement area)		
	5-8km WSW	Recorded	4	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 05:08
	5-8km WSW	Recorded	7	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 05:09
	5-8km WSW	Recorded	4	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 05:11
	5-8km WSW	Recorded	3	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 05:12
	5-8km WSW	Recorded	3	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 05:14
	5-8km WSW	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 05:15
	5-8km WSW	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 05:16
	5-8km WSW	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 05:17
	5-8km WSW	Recorded	5	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 05:18
	5-8km WSW	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 05:20
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2-4km ENE	Recorded	2	Projectile	N to S (assessed as outside the disengagement area)	N/K	20-Feb, 19:04
	3-5km ESE	Recorded	1	Explosion	Undetermined (unable to assess if inside or outside the disengagement area)	N/K	20-Feb, 20:35

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	3-5km ESE	Recorded	1	Explosion	Undetermined (unable to assess if inside or outside the disengagement area)	N/K	20-Feb, 20:36
	3-5km ESE	Recorded	1	Explosion	Undetermined (unable to assess if inside or outside the disengagement area)	N/K	20-Feb, 20:38
	3-5km E	Recorded	3	Projectile	SW to NE (assessed as outside the disengagement area)	N/K	20-Feb, 20:53
	3-5km E	Recorded	10	Projectile	SW to NE (assessed as outside the disengagement area )	N/K	20-Feb, 20:54
	3-5km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 21:01
	3-5km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 21:02
	3-5km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 22:20
	5-7km E	Recorded	1	Projectile	S to N (assessed as outside the disengagement area)		21-Feb, 17:45
	5-7km E	Recorded	1	Projectile	S to N (assessed as outside the disengagement area)		21-Feb, 17:46
	5-7km E	Recorded	3	Projectile	S to N (assessed as outside the disengagement area)		21-Feb, 17:48
	5-7km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)		21-Feb, 17:50
	5-7km ENE	Recorded	3	Projectile	N to S (assessed as outside the disengagement area)		21-Feb, 17:55
	5-7km ENE	Recorded	1	Projectile	N to S (assessed as outside the disengagement area)		21-Feb, 17:59

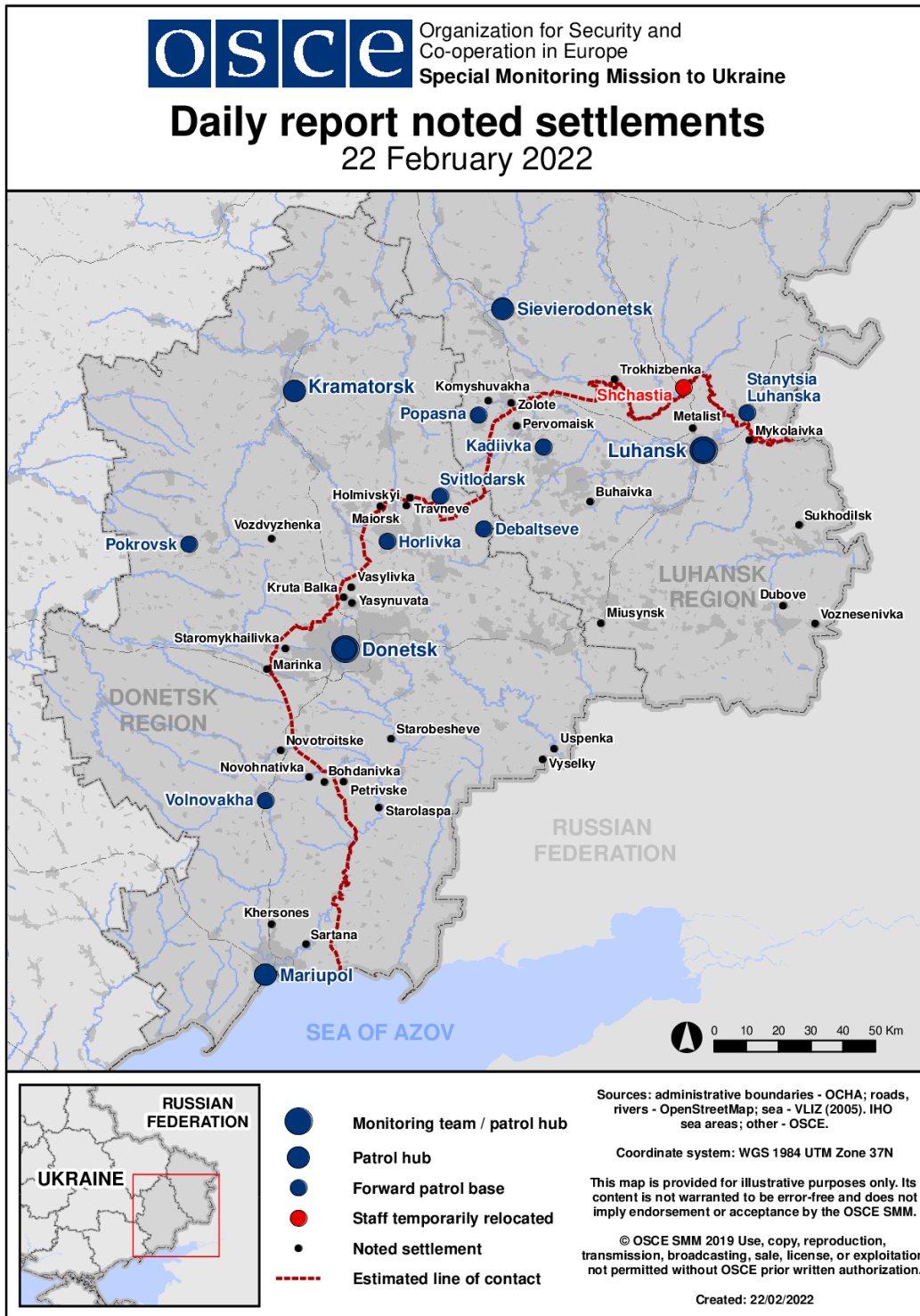
SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	4-6km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)		21-Feb, 18:08
	4-6km E	Recorded	1	Illumination flare	In vertical flight (assessed as outside the disengagement area)		21-Feb, 18:09
	4-6km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)		21-Feb, 18:16
	4-6km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)		21-Feb, 18:34
	4-6km E	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area)		21-Feb, 18:35
	4-6km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)		21-Feb, 18:37
	4-6km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)		21-Feb, 18:38
	4-6km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)		21-Feb, 18:40
Zolote-5/Mykhailivka (non-government-controlled, 60km W of Luhansk)	5-6km NNE	Heard	9	Explosion	Undetermined	N/K	21-Feb, 10:47-11:00
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	5-6km W	Heard	21	Explosion	Outgoing	Artillery (type N/K)	20-Feb, 17:45-18:10
	4-6km N	Heard	5	Explosion	Outgoing	Artillery (type N/K)	20-Feb, 17:45-18:10
	4-5km W	Heard	5	Explosion	Outgoing	Artillery (type N/K)	20-Feb, 19:20-19:30
	12-15km W	Heard	5	Explosion	Undetermined	N/K	20-Feb, 19:20-19:30
	12-15km SSW	Heard	2	Explosion	Undetermined	N/K	20-Feb, 20:15-20:30
	12-15km S	Heard	1	Explosion	Undetermined	N/K	20-Feb, 20:15-20:30
Luhansk city (non-government-controlled)	4-6km N	Heard	28	Explosion	Undetermined	Artillery (type N/K)	20-Feb, 20:31-20:42
	10-12km N	Heard	18	Explosion	Undetermined	Artillery (type N/K)	20-Feb, 20:50-20:55
	10-12km N	Heard	21	Explosion	Undetermined	Artillery (type N/K)	20-Feb, 21:07-21:11
	12-15km NW	Heard	45	Explosion	Outgoing	N/K	20-Feb, 20:37-20:44
	10-15km NNW	Heard	25	Explosion	Undetermined	Artillery (type N/K)	20-Feb, 20:55-21:00
	10-15km WNW	Heard	40	Explosion	Impact	Artillery (type N/K)	20-Feb, 21:05-21:10

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	5-6km W	Heard	9	Explosion	Undetermined	N/K	21-Feb, 15:14-15:28
	6-8km SW	Heard	7	Explosion	Undetermined	N/K	21-Feb, 15:14-15:28
Pervomaisk (non-government-controlled, 58km W of Luhansk)	1-2km SSE	Heard	5	Explosion	Outgoing (assessed as outside the disengagement area near Zolote)	N/K	21-Feb, 09:34-09:44
	5-8km W	Heard	5	Explosion	Impact (assessed as outside the disengagement area near Zolote)	N/K	21-Feb, 09:34-09:44
	1-2km SSE	Heard	11	Explosion	Outgoing (assessed as outside the disengagement area near Zolote)	N/K	21-Feb, 09:49-09:52
	6-8km W	Heard	11	Explosion	Impact (assessed as outside the disengagement area near Zolote)	N/K	21-Feb, 09:49-09:52
	3-4km WNW	Heard	7	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	21-Feb, 13:18-13:29
	3-5km N	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	21-Feb, 13:33-13:36
	7-8km NW	Heard	10	Explosion	Outgoing	N/K	21-Feb, 10:10
	7-8km NW	Heard	10	Explosion	Impact	N/K	21-Feb, 10:10
Shchastia (government-controlled, 20km N of Luhansk)	1-1.5km N	Heard	15	Explosion	Impact	N/K	21-Feb, 10:10
Teplychne (non-government-controlled, 8km W of Luhansk)	12-14km W	Heard	10	Explosion	Undetermined	Artillery (type N/K)	21-Feb, 09:39
Mykolaivka (non-government-controlled, 15km E of Luhansk)	15-20km NW	Heard	9	Explosion	Undetermined	N/K	21-Feb, 10:48-10:52
	15-20km NW	Heard	19	Explosion	Undetermined	N/K	21-Feb, 10:57-11:00
Pionerske (non-government-controlled, 19km E of Luhansk)	15-20km WSW	Heard	30	Explosion	Undetermined	N/K	21-Feb, 10:09-10:20
Luhansk city (non-government-controlled)	10-12km NNW	Heard	1	Explosion	Undetermined	Artillery (type N/K)	21-Feb, 15:21
	12-14km W	Heard	29	Explosion	Undetermined	N/K	21-Feb, 15:23-15:29
	10-14km N	Heard	37	Explosion	Undetermined	Artillery (type N/K)	21-Feb, 04:51-04:58
	10-12km N	Heard	27	Explosion	Undetermined	Artillery (type N/K)	21-Feb, 05:04-05:19
N edge of Popasna (government-controlled, 69km W of Luhansk)	2-5km E	Heard	22	Explosion	Outgoing	N/K	20-Feb, 17:51-18:10
	4-10km ESE	Heard	14	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	20-Feb, 17:51-18:10
Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)	15-20km NW	Heard	8	Explosion	Undetermined	N/K	21-Feb, 11:22-11:24
	4-6km SW	Heard	8	Explosion	Undetermined	N/K	20-Feb, 18:16-18:17
	10-12km SW	Heard	167	Explosion	Undetermined	N/K	20-Feb, 20:25-21:17
	10-12km SW	Heard	11	Explosion	Undetermined	N/K	20-Feb, 22:20-22:28



SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	3-5km SSE	Heard	10	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 23:03-23:06
N edge of Popasna (government-controlled, 69km W of Luhansk)	2-3km E	Heard	13	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 15:12-15:20
Popasna (government controlled, 69 km W of Luhansk)	3-5km ESE	Heard	4	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	21-Feb, 09:41-09:50
Hirske (government-controlled, 63km W of Luhansk)	5-7km SE	Heard	3	Explosion	Undetermined	N/K	21-Feb, 13:18
	12-13km SE	Heard	12	Explosion	Outgoing	Artillery (type N/K)	21-Feb, 09:50-10:00
	10-12km NW	Heard	12	Explosion	Impact	Artillery (type N/K)	21-Feb, 09:50-10:00
	0.8-1km W	Heard	1	Explosion	Undetermined	N/K	21-Feb, 10:06
Shchastia (government-controlled, 20km N of Luhansk)	1.5-3km SW	Heard	14	Explosion	Undetermined	N/K	21-Feb, 10:55-11:05
Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)	4-7km SE	Heard	9	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 00:19-00:21
	3-5km S	Heard	13	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 03:28-03:33
	3-5km S	Heard	10	Burst	Assessed as outside the disengagement area	HMG	21-Feb, 03:33-03:35
	8-10km W	Heard	7	Explosion	Undetermined	N/K	21-Feb, 04:35-04:45
	8-12km W	Heard	217	Explosion	Undetermined	N/K	21-Feb, 04:55-05:30
	15-20km NW	Heard	4	Explosion	Undetermined	N/K	21-Feb, 09:55-10:01

### Map of Donetsk and Luhansk regions<sup>12</sup>



<sup>12</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 have 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 also patrols in this settlement during daylight hours).