

Daily Report 172/2020

21 July 2020¹

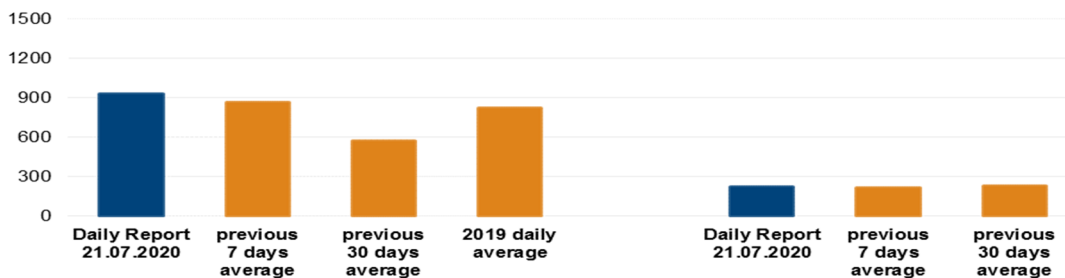
Summary

- Compared with the previous 24 hours, the SMM recorded fewer ceasefire violations in both Donetsk and Luhansk regions.
- An explosion occurred near an SMM patrol close to Zalizne.
- The Mission lost spatial control of one of its mini-unmanned aerial vehicles (UAV), due to signal interference, while flying over the disengagement area near Zolote.
- Small-arms fire was assessed as directed at SMM mini-UAVs near Chermalyk and Pishchane, Donetsk region.
- The Mission continued monitoring the disengagement areas near Stanytsia Luhanska, Zolote and Petrivske. In the evening hours, it saw people within former positions inside the disengagement areas near Zolote and Petrivske.
- The SMM saw weapons in violation of withdrawal lines in non-government-controlled areas of Donetsk region.
- The Mission continued following up on the situation of civilians amid the COVID-19 outbreak, including at entry-exit checkpoints and corresponding checkpoints in Donetsk and Luhansk regions.
- The SMM's freedom of movement continued to be restricted, including at a checkpoint near non-government-controlled Kremynets, Donetsk region.*

Ceasefire violations²

Number of recorded ceasefire violations³

Number of recorded explosions⁴



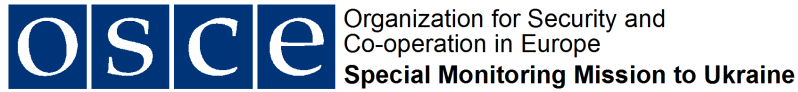
¹ Based on information from the Monitoring Teams as of 19:30, 20 July 2020. All times are in Eastern European Summer Time.

² For a complete breakdown of ceasefire violations, please see the annexed table. During the reporting period, the SMM cameras in Petrivske, in Krasnohorivka, near Shyrokyne and at the Oktiabr mine were not operational and adverse weather conditions limited the observations of some of the other SMM cameras.

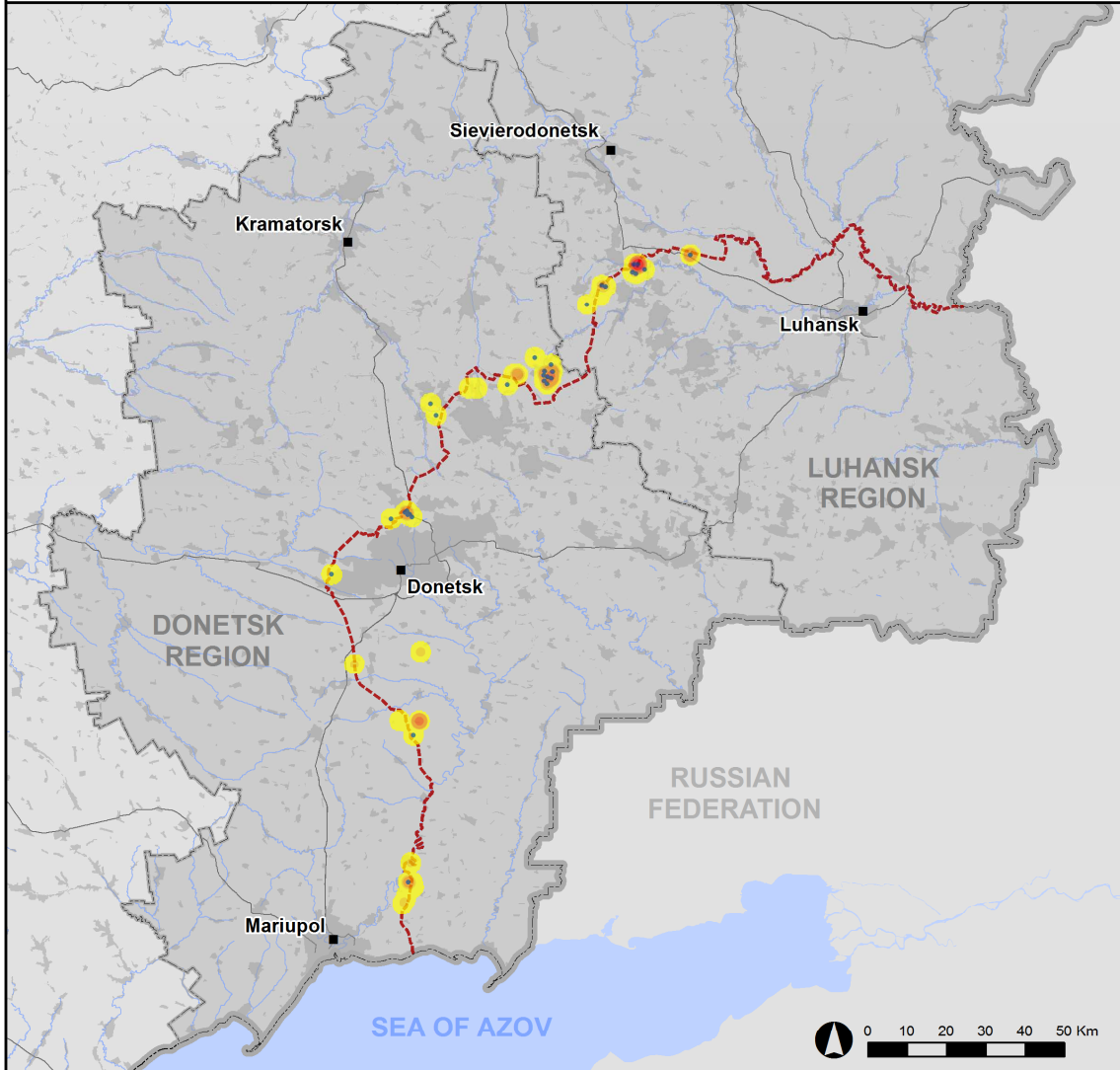
³ Including explosions.

⁴ Including from unidentified weapons.

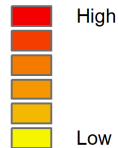
Map of recorded ceasefire violations



Ceasefire violations observed by the SMM 20 July 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: 21/07/2020

In Donetsk region, the SMM recorded fewer ceasefire violations, including fewer explosions (about 150), compared with the [previous 24 hours](#) (about 600 explosions). The majority of ceasefire violations were recorded at easterly directions of Svitlodarsk (government-controlled, 57km north-east of Donetsk), including almost all explosions, and at easterly directions of the disengagement area near Petrivske (non-government-controlled, 41km south-west of Donetsk) (see below).

In Luhansk region, the Mission recorded fewer ceasefire violations, including, fewer explosions (about 75), compared with the [previous 24 hours](#) (about 310 explosions). Almost all ceasefire violations, including almost all explosions, were recorded in areas east, south-west and north-east of the disengagement area near Zolote (government-controlled, 60km west of Luhansk) and at northerly directions of Berezivske (non-government-controlled, 53km north-west of Luhansk).

Explosions near the SMM close to Zalizne

While positioned on the south-western edge of Zalizne (formerly Artemove, government-controlled, 42km north-east of Donetsk) to monitor adherence to a localized ceasefire to enable an assessment of and maintenance to the phenol sludge reservoir, the SMM heard an undetermined explosion and saw brown smoke at an assessed distance of 300m south-west (but was unable to assess the type of weapon used or direction of fire). The SMM left the area (see [SMM Spot Report 38/2020](#)).*

The SMM lost spatial control over its mini-unmanned aerial vehicle while flying over the disengagement area near Zolote

On the morning of 20 July, an SMM patrol was positioned inside the disengagement area near Zolote, about 100m south-west of the checkpoint of the Ukrainian Armed Forces on the area's northern edge, to conduct an announced mini-unmanned aerial vehicle (UAV) flight. At 12:05, while the SMM mini-UAV was flying inside the area about 1.4km south of the patrol's position, the aircraft experienced strong signal interference which led to the SMM losing spatial control over it. The SMM was unable to recover the UAV and left the area.*

Small-arms fire assessed as directed at SMM mini-UAVs near Chermalyk and Pishchane, Donetsk region

While positioned on the eastern edge of Chermalyk (government-controlled, 77km south of Donetsk) to conduct a mini-UAV flight, the SMM heard ten bursts of small-arms fire at an assessed distance of 1km south-south-east, assessed as aimed at the UAV, which was flying about 1km south-south-east, over non-government-controlled areas. About four minutes prior, the same mini-UAV had experienced signal interference while flying over the area, assessed as caused by probable jamming. The SMM safely landed the UAV and left the area (for a similar incident in the area, see [SMM Daily Report 24 April 2020](#)).*

While positioned about 1.5km west-south-west of Pishchane (non-government-controlled, 26km south of Donetsk) to conduct a mini-UAV flight, the SMM heard seven shots and four bursts of small-arms fire at an assessed range of 2.5-3km north, assessed as aimed at the UAV which was flying about 2.7km north. The Mission safely landed the aircraft and left the area.*

Disengagement areas near Stanytsia Luhanska, Zolote and Petrivske⁵

On 20 July, **inside the disengagement area near Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk), the SMM saw two 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 18 July, an SMM mini-UAV spotted a probable light armoured personnel carrier (KrAZ *Cougar*) at a checkpoint of the Ukrainian Armed Forces on the northern edge of the **disengagement area near Zolote**.

On the evening of 18 July, inside the disengagement area near Zolote, an SMM long-range UAV spotted two people near a former position of the Ukrainian Armed Forces, about 550m west-south-west of the area’s north-eastern corner. It also spotted a person near a former position of the Ukrainian Armed Forces south of the railway track and about 1.2km east of the area’s western edge. The UAV also spotted a person near a former position of the armed formations, on the area’s eastern edge about 1.5km north of its southern edge.

On the evening of 19 July, an SMM long-range UAV spotted one person within each of the abovementioned former positions of the Ukrainian Armed Forces, as well as two people within the abovementioned former position of the armed formations on the area’s eastern edge.

On the evening and night of 19-20 July, two SMM cameras located in areas close to the disengagement area recorded 23 undetermined explosions, about 400 projectiles in flight, four muzzle flashes, three illumination flares and two bursts of an undetermined weapon. During the same time period, while on the northern edge of Popasna (government-controlled, 69km west of Luhansk), the Mission heard six undetermined explosions and six bursts of small-arms and heavy-machine-gun fire, all at an assessed range of 5-7km east-south-east. On 20 July, while positioned on the western edge of Berezhivske, the SMM heard three undetermined explosions at an assessed distance of 1km north (see below). All these ceasefire violations were assessed as outside the disengagement area near Zolote but within 5km of its periphery.

On 20 July, near the checkpoint of the armed formations south of the disengagement area, the Mission saw six members of the armed formations (wearing armbands with “JCCC” written on them) as well as nine workers using axes to cut vegetation and three people checking the area with metal detectors.

On the evening of 18 July, inside the **disengagement area near Petrivske**, an SMM long-range UAV spotted six people near a [previously reported](#) recent position of the Ukrainian Armed Forces, about 500m east-north-east of the area’s south-western corner. It also spotted two people within a former position of the armed formations close to the area’s south-eastern corner.

On 19 July, inside the disengagement area, an SMM mini-UAV spotted a person, near a [previously reported](#) position of the armed formations close to the area’s south-eastern corner, where construction works were recently spotted.

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

Outside the disengagement area, the same UAV [again](#) spotted a barely visible obstacle stretched across the road between Petrivske and Viktorivka (non-government-controlled, 42km south-west of Donetsk), about 300m north-west of the area's north-eastern corner, close to positions of the armed formations. It also spotted a probable automatic grenade launcher, within a position of the armed formations, about 200m south of the aforementioned road and about 25m north of the area's northern edge.

On the evening of 19 July, the SMM camera 2km east of Bohdanivka (government-controlled, 41km south-west of Donetsk) recorded an undetermined explosion and about 90 projectiles in flight, all at an assessed range of 4-6km east and south-east and assessed as outside the disengagement area but within 5km of its periphery.

On 20 July, positioned about 2km east of Bohdanivka, the SMM heard a shot of small-arms fire at an undetermined distance north, assessed as outside the disengagement area.

Withdrawal of weapons

The SMM continued to monitor the withdrawal of weapons in implementation of the Memorandum and the Package of Measures and its Addendum. It saw 11 weapons in violation of withdrawal lines in non-government-controlled areas of Donetsk region, including at a training area.

It also observed 23 weapons beyond respective withdrawal lines but outside designated storage sites on both sides of the contact line in Donetsk region (for further details, see the tables below).

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

The SMM observed armoured combat vehicles in the security zone in government-controlled areas of both Donetsk and Luhansk regions and in a non-government-controlled area of Donetsk region.

On 17 July, at a compound near Andriivka (government-controlled, 61km south of Donetsk), an SMM mini-UAV spotted a person, assessed as a Ukrainian Armed Forces soldier pointing an anti-aircraft gun (ZU-23, 23mm) towards the UAV (see the table below).

SMM facilitation of operation of critical civilian infrastructure

The SMM facilitated and monitored adherence to localised ceasefires to enable assessment and maintenance of the phenol sludge reservoir near Zalizne (see above), an assessment of and repairs to water infrastructure between Novotoshkivske (government-controlled, 53km west of Luhansk) and Nyzhnie (government-controlled, 56km north-west of Luhansk) and near non-government-controlled Pankivka (16km north of Luhansk) and Yashchukove (46km west of Luhansk).

It also facilitated and monitored adherence to localised ceasefires to enable repairs of power and gas lines in Novozvanivka (government-controlled, 70km west of Luhansk) and Troitske (government-controlled, 69km west of Luhansk); an assessment and maintenance of power lines near Berezivske; as well as vegetation clearance, inspection and maintenance

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

of railway tracks near Vilkhove (government-controlled, 22km north-east of Luhansk); and demining activities near Heivka (government-controlled, 27km north-west of Luhansk).

While positioned on the western edge of Berezhivske to facilitate a localised ceasefire to enable an assessment and maintenance of power lines, the SMM heard three undetermined explosions at an assessed distance of 1km north (see above). The SMM left the area.*

The SMM continued to facilitate the operation of the Donetsk Filtration Station (15km north of Donetsk). While positioned at three locations near the station, the Mission heard 15 undetermined explosions, assessed as within a 5km radius of the station (see the table below).

Border areas outside government control

While at a border crossing point near Marynivka (78km east of Donetsk) for about 45 minutes, the SMM saw seven cars (one with Ukrainian and three with Russian Federation licence plates, as well as three with “DPR” plates), three covered-cargo trucks (two with Ukrainian and one with Russian Federation licence plates) and one bus (with “DPR” plates) entering Ukraine, as well as three cars (one with Ukrainian and two with Russian Federation licence plates) exiting Ukraine.

While at a border crossing point near Uspenka (73km south-east of Donetsk) for an hour, the SMM saw 23 cars (four with Ukrainian and five with Russian Federation licence plates, as well as 14 with “DPR” plates) entering Ukraine. It also saw 25 cars (five with Ukrainian and three with Russian Federation licence plates, as well as 17 with “DPR” plates) and four covered-cargo trucks with Ukrainian licence plates exiting Ukraine.

The SMM also monitored areas along the border outside government control near Marynivka and Uspenka and observed a calm situation.

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

In Donetsk region, on 20 July, the SMM saw that the entry-exit checkpoint (EECP) near Novotroitske (government-controlled, 36km south-west of Donetsk) and the corresponding checkpoint of the armed formations near Olenivka (non-government-controlled, 23km south-west of Donetsk) were operational. At 09:50 near the EECP, it saw one car waiting to enter government-controlled areas.

In Luhansk region, the SMM noted that the EECP in Stanytsia Luhanska was operational. While at the EECP, at about 10:00, 11:00 and 12:00, the Mission saw about 270 people (mixed genders and ages) queuing to travel towards government-controlled areas and about 80 pedestrians (mixed genders and ages) queuing to travel in the opposite direction. The Mission also saw that two golf carts were operating between the EECP and the new section of the Stanytsia Luhanska bridge.

On the same day, from 07:00 to 18:00, the SMM cameras at the parking lot south of the Stanytsia Luhanska bridge and north of the new span of the bridge recorded about 800 people traveling to government-controlled from non-government-controlled areas and about 535 people traveling in the opposite direction.

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

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

The SMM's monitoring and freedom of movement are restricted by security hazards and threats, including risks posed by mines and unexploded ordnance (UXO) and other impediments – which vary from day to day. The SMM's mandate provides for safe and secure access throughout Ukraine. All signatories of the Package of Measures have agreed on the need for this safe and secure access, that restriction of the SMM's freedom of movement constitutes a violation, and on the need for rapid response to these violations. They have also agreed that the Joint Centre for Control and Co-ordination (JCCC) should contribute to such response and co-ordinate mine clearance. Nonetheless, the armed formations in parts of Donetsk and Luhansk regions frequently deny the SMM access to areas adjacent to Ukraine's border outside control of the Government (for example, see [SMM Daily Report of 14 July 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.

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.

Delay:

- At a checkpoint near Kremynets (non-government-controlled, 16km south-west of Donetsk), one visibly armed member of the armed formations allowed the SMM to proceed towards government-controlled areas only after 27 minutes of waiting at the checkpoint.

Other impediments:

- On the evening and night of 18-19 July, an SMM long-range UAV experienced GPS signal interference, assessed as probable jamming, while flying over areas between government-controlled Kostiantynivka (60km north of Donetsk) and Romanivka (41km north of Donetsk), between non-government-controlled Petrivske (41km south of Donetsk) and Novyi Svit (27km south-east of Donetsk), as well as between Korsun (non-government-controlled, 31km north-east of Donetsk) and Nyzhnie (government-controlled, 56km north-west of Luhansk), and Kadiivka (formerly Stakhanov, non-government-controlled, 50km west of Luhansk) and Stepanivka (government-controlled, 54km north of Donetsk).⁷
- On the evening and night of 19-20 July, an SMM long-range UAV experienced GPS signal interference, assessed as probable jamming, while flying over areas between Ivanopillia (government-controlled, 51km north of Donetsk) and Rozsady (62km north-east of Donetsk), between government-controlled Kostiantynivka and Nyzhnie, between non-government-controlled Brianka (46km south-west of

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

Luhansk) and Khrestivka (formerly Kirovske, 45km east of Donetsk) as well as between Zorynsk (54km south-west of Luhansk) and Brianka, and over Horlivka (non-government-controlled, 39km north-east of Donetsk).

- On 20 July, while positioned on the south-western edge of Zalizne (formerly Artemove, government-controlled, 42km north-east of Donetsk), the SMM heard an undetermined explosion and saw brown smoke at an assessed distance of 300m south-west. The SMM left the area (see above).
- On 20 July, while positioned on the western edge of Berezivske (non-government-controlled, 53km north-west of Luhansk), the SMM heard three undetermined explosions at an assessed distance of 1km north. The SMM left the area (see above).
- On 20 July, the Mission lost spatial control over its mini-UAV while it was flying inside the disengagement area near Zolote (government-controlled, 60km west of Luhansk) and was not able to retrieve it (see above).
- On 20 July, while conducting a mini-UAV flight over non-government-controlled areas south-south-east of Chermalyk (government-controlled, 77km south of Donetsk), the SMM heard bursts of small-arms fire assessed as aimed at its UAV (see above). About four minutes prior, the same mini-UAV had experienced GPS signal interference, assessed as caused by probable jamming while flying over the area (see above).
- On 20 July, while conducting a mini-UAV flight near Pishchane (non-government-controlled, 26km south of Donetsk), the SMM heard shots and bursts of small-arms fire, assessed as aimed at its UAV (see above).
- On 20 July, two SMM mini-UAVs experienced GPS signal interference, assessed as caused by probable jamming, while flying over areas near Lebedynske (government-controlled, 99km south of Donetsk) and Pyshevyk (government-controlled, 84km south of Donetsk), respectively.⁸

⁸ The interference could have originated from anywhere within the radius of several kilometres of the UAVs' positions.

Table of weapons

Weapons in violation of withdrawal lines

Date	No. of weapons	Type of weapon	Location	Source of observation
Non-government-controlled areas				
19/07/2020	3	Self-propelled howitzer (2S1 <i>Gvozdika</i> , 122mm)	In a training area near Sofiivka (formerly Karlo-Marksove, 40km north-east of Donetsk) (for previous observations, see SMM Daily Report 1 June 2020)	Long-range UAV
	5	Tank (T-72)		
	3	Towed howitzer (D-30A <i>Lyagushka</i> , 122mm)	Near Khartsyzk (26km east of Donetsk)	

Weapons beyond withdrawal lines but outside designated storage sites

Date	No. of weapons	Type of weapon	Location	Source of observation
Government-controlled areas				
17/07/2020	4	Surface-to-air missile system (9K35 <i>Strela-10</i>)	In a compound in Andriivka (61km south of Donetsk)	Mini-UAV
19/07/2020	3	Surface-to-air missile system (9K35 <i>Strela-10</i>)		Mid-range UAV
Non-government-controlled areas				
19/07/2020	10	Tank (probable T-72)	In a training area near Ternove (57km east of Donetsk)	Long-range UAV
20/07/2020	5	Tank (type undetermined)		Patrol

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

Date	No.	Type	Location	Source of observation
Government-controlled areas				
17/07/2020	1	Anti-aircraft gun (ZU-23, 23mm)	In a compound in Andriivka (61km south of Donetsk)	Mini-UAV
18/07/2020	4	Infantry fighting vehicle (BMP variant)	Near Vozdvyzhenka (formerly Krasnyi Pakhar, 66km north-east of Donetsk)	Long-range UAV
	3	Armoured combat vehicle (at least one BMP variant)		
19/07/2020	3	Probable armoured combat vehicle	Near Prychepylyvka (50km north-west of Luhansk)	
	1	Armoured personnel carrier (BTR-type)		
	1	Armoured combat vehicle	Near Heivka (27km north-west of Luhansk)	
	1	Armored personnel carrier (BTR-70)	In a compound in Myrne (63km south of Donetsk)	Mid-range UAV
Non-government-controlled areas				
19/07/2020	1	Infantry fighting vehicle (BMP-1)	In a training area near Sofiivka (formerly Karlo-Marksove, 40km north-east of Donetsk)	Long-range UAV

⁹ The hardware mentioned in this section is not proscribed by the provisions of the Minsk agreements on the withdrawal of weapons.

Table of ceasefire violations as of 20 July 2020¹⁰

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-4km SE	Recorded	10	Projectile	In vertical flight.	N/K	19-Jul, 22:12
SMM camera 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	4-6km E	Recorded	5	Projectile	In vertical flight (assessed as outside the Petrivske disengagement area)	N/K	19-Jul, 22:11
	4-6km E	Recorded	88	Projectile	In vertical flight (assessed as outside the Petrivske disengagement area)	N/K	19-Jul, 22:12
	4-6km SE	Recorded	1	Explosion	Undetermined (assessed as outside the Petrivske disengagement area)	N/K	19-Jul, 23:18
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	2-4km SSW	Recorded	15	Projectile	SE to NW (also recorded by one of the SMM cameras in Avdiivka)	N/K	19-Jul, 21:42
	2-4km SSW	Recorded	1	Projectile	SE to NW (also recorded by one of the SMM cameras in Avdiivka)	N/K	19-Jul, 21:42
	2-4km SSW	Recorded	5	Projectile	ENE to WSW (also recorded by one of the SMM cameras in Avdiivka)	N/K	19-Jul, 22:40
	2-4km SSW	Recorded	1	Projectile	NW to SE (also recorded by one of the SMM cameras in Avdiivka)	N/K	20-Jul, 00:12
	2-4km SSW	Recorded	2	Projectile	ENE to WSW (also recorded by one of the SMM cameras in Avdiivka)	N/K	20-Jul, 00:25
	2-4km SSW	Recorded	1	Projectile	NW to SE (also recorded by one of the	N/K	20-Jul, 00:36

¹⁰ The table only includes ceasefire violations directly observed by the SMM patrols or recorded by the SMM cameras and it may include those also assessed to be live-fire exercises, controlled detonations, etc. Details provided – in terms of distance, direction, weapons-type, etc. – are based on assessments provided by monitors on the ground and technical monitoring officers, and are not always necessarily precise. When information is not known (indicated with an “N/K”), the SMM was unable to ascertain such information due to distance, weather conditions technical limitations and/or other considerations. Ceasefire violations recorded by more than one patrol/camera and assessed to be the same are entered only once.

					SMM cameras in Avdiivka)		
	2-4km SSW	Recorded	3	Projectile	NE to SW	N/K	20-Jul, 00:38
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	2-4km ESE	Recorded	4	Projectile	In vertical flight.	N/K	19-Jul, 22:12
	2-4km SE	Recorded	1	Projectile	SW to NE	N/K	19-Jul, 23:16
	2-4km SE	Recorded	1	Projectile	SW to NE	N/K	19-Jul, 23:20
	2-4km SE	Recorded	1	Projectile	WSW to ENE	N/K	20-Jul, 00:22
	2-4km E	Recorded	1	Projectile	In vertical flight.	N/K	20-Jul, 00:43
	2-4km SE	Recorded	1	Projectile	WSW to ENE	N/K	20-Jul, 00:55
	2-4km SE	Recorded	3	Projectile	WSW to ENE	N/K	20-Jul, 01:25
SMM camera at entry-exit checkpoint in Hnutove (government-controlled, 90km S of Donetsk)	2-4km ENE	Recorded	1	Projectile	NNW to SSE (also recorded by the SMM camera in Chermalyk)	N/K	19-Jul, 21:23
	2-4km E	Recorded	2	Projectile	SW to NE	N/K	19-Jul, 22:43
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1-3km E	Recorded	3	Projectile	S to N	N/K	19-Jul, 22:24
	3-5km E	Recorded	6	Projectile	S to N	N/K	20-Jul, 02:44
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	19-Jul, 22:33
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km W	Recorded	30	Projectile	In vertical flight	N/K	19-Jul, 22:11
	6-8km WSW	Recorded	1	Explosion	Undetermined	N/K	20-Jul, 00:50
	4-6km W	Recorded	1	Projectile	SE to NW	N/K	20-Jul, 01:12
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	3-5km SW	Heard	4	Explosion	Undetermined	N/K	20-Jul, 13:49-13:53
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	20-Jul, 14:03
About 1.5km WSW Pishchane (non-government-controlled, 26km S of Donetsk)	2.5-3km N	Heard	7	Shot		Small arms	20-Jul, 14:09
	2.5-3km N	Heard	4	Burst		Small arms	20-Jul, 14:09
About 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	N/K N	Heard	1	Shot	Outside the Petrivske disengagement area	Small arms	20-Jul, 13:42
About 2km NE of Chernenko (government-controlled, 86km S of Donetsk)	4-6km NE	Heard and saw	1	Explosion	Impact	N/K	20-Jul, 10:34
	4-6km NE	Heard	25	Burst		HMG	20-Jul, 10:46
E edge Chermalyk (government-controlled, 77km S of Donetsk)	1km SSE	Heard	10	Burst		Small arms	20-Jul, 11:47
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	20-Jul, 09:05

SE edge of Avdiivka (government-controlled, 17km N of Donetsk)	4-5km SE	Heard	1	Explosion	Undetermined	N/K	20-Jul, 09:44
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	20-Jul, 10:44
	2-3km SE	Heard	1	Explosion	Undetermined	N/K	20-Jul, 10:53
	2-3km SE	Heard	4	Explosion	Undetermined	N/K	20-Jul, 13:49-13:53
	2-3km SE	Heard	1	Explosion	Undetermined	N/K	20-Jul, 14:03
About 2km S of Avdiivka (government-controlled, 17km N of Donetsk)	3-4km S	Heard	3	Explosion	Undetermined	N/K	20-Jul, 12:44
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	7-8km S	Heard	1	Explosion	Undetermined	N/K	20-Jul, 10:53
About 2km WSW of Zalizne (formerly Artemove, government-controlled, 42km NE of Donetsk)	3-4km SSE	Heard	1	Explosion	Undetermined	N/K	20-Jul, 11:29
	300m SSW	Heard and saw	1	Explosion	Undetermined	N/K	20-Jul, 12:25
Svitlodarsk (government-controlled, 57km NE of Donetsk)	4-5km E	Heard	3	Explosion	Undetermined	N/K	19-Jul, 18:31
	4-5km E	Heard	1	Explosion	Undetermined	N/K	19-Jul, 18:33
	4-5km ESE	Heard	2	Explosion	Undetermined	N/K	19-Jul, 18:34
	4-5km ESE	Heard	2	Explosion	Undetermined	N/K	19-Jul, 18:43
	4-5km ESE	Heard	2	Explosion	Undetermined	N/K	19-Jul, 18:46
	2-3km E	Heard	5	Explosion	Undetermined	N/K	19-Jul, 18:47
	2-3km E	Heard	1	Explosion	Undetermined	N/K	19-Jul, 18:49
	2-3km E	Heard	1	Explosion	Undetermined	N/K	19-Jul, 18:50
	2-3km E	Heard	5	Explosion	Undetermined	N/K	19-Jul, 18:51
	3-4km ESE	Heard	2	Explosion	Undetermined	N/K	19-Jul, 18:51
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	19-Jul, 18:53
	3-4km ESE	Heard	1	Explosion	Undetermined	N/K	19-Jul, 18:53
	3-4km N	Heard	1	Explosion	Undetermined	N/K	19-Jul, 18:55
	4-5km E	Heard	3	Explosion	Undetermined	N/K	19-Jul, 18:56
	4-5km ESE	Heard	6	Explosion	Undetermined	N/K	19-Jul, 18:57
	4-5km E	Heard	3	Explosion	Undetermined	N/K	19-Jul, 18:59
	4-5km E	Heard	3	Explosion	Undetermined	N/K	19-Jul, 19:01
	4-5km E	Heard	2	Explosion	Undetermined	N/K	19-Jul, 19:02
	4-5km ESE	Heard	2	Explosion	Undetermined	N/K	19-Jul, 19:03
	3-4km ESE	Heard	3	Explosion	Undetermined	N/K	19-Jul, 19:04
	4-5km E	Heard	3	Explosion	Undetermined	N/K	19-Jul, 19:05
	4-5km E	Heard	8	Explosion	Undetermined	N/K	19-Jul, 19:08
	4-5km E	Heard	3	Explosion	Undetermined	N/K	19-Jul, 19:09
	4-5km ESE	Heard	1	Explosion	Undetermined	N/K	19-Jul, 19:20
	4-5km ESE	Heard	3	Explosion	Undetermined	N/K	19-Jul, 19:26
	4-5km ESE	Heard	3	Explosion	Undetermined	N/K	19-Jul, 19:34
	4-5km ESE	Heard	7	Explosion	Undetermined	N/K	19-Jul, 19:36
	4-5km ESE	Heard	4	Explosion	Undetermined	N/K	19-Jul, 19:39
	4-5km SE	Heard	3	Explosion	Undetermined	N/K	19-Jul, 19:41
	4-5km ESE	Heard	3	Explosion	Undetermined	N/K	19-Jul, 19:45
	4-5km E	Heard	7	Explosion	Undetermined	N/K	19-Jul, 19:48
	4-5km ESE	Heard	10	Explosion	Undetermined	N/K	19-Jul, 19:55-20:04
4-5km ESE	Heard	3	Explosion	Undetermined	N/K	19-Jul, 20:06	
4-5km SE	Heard	2	Explosion	Undetermined	N/K	19-Jul, 20:10	
4-5km SE	Heard	2	Explosion	Undetermined	N/K	19-Jul, 20:12	
3-4km SE	Heard	1	Explosion	Undetermined	N/K	19-Jul, 20:15	
3-4km SE	Heard	1	Explosion	Undetermined	N/K	19-Jul, 20:17	
2-3km ESE	Heard	15	Burst		HMG	19-Jul, 22:05	

	2-3km ESE	Heard	2	Explosion	Undetermined	N/K	19-Jul, 22:05
	4-5km ESE	Heard	10	Burst		HMG	19-Jul, 22:12
	4-5km ESE	Heard	3	Explosion	Undetermined	N/K	19-Jul, 22:12
	4-5km SE	Heard	10	Burst		HMG	19-Jul, 22:25
	4-5km SE	Heard	3	Explosion	Undetermined	N/K	19-Jul, 22:25
	4-5km ESE	Heard	2	Explosion	Undetermined	N/K	19-Jul, 23:50
	4-5km ENE	Heard	2	Explosion	Undetermined	N/K	19-Jul, 23:59
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	6-8km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	19-Jul, 21:55
	6-8km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	19-Jul, 22:09
	6-8km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	19-Jul, 22:41
	6-8km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	19-Jul, 22:49
	6-8km SE	Recorded	2	Illumination flare	In vertical flight (assessed as outside the Zolote disengagement area)	N/K	19-Jul, 22:49
	6-8km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	19-Jul, 22:54
	6-8km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	19-Jul, 23:04
	6-8km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	19-Jul, 23:22
	SMM camera in Zolote (government-controlled, 60km W of Luhansk)	4-6km E	Recorded	4	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K
5-7km E		Recorded	26	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 21:23

	5-7km E	Recorded	23	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 21:24
	5-7km E	Recorded	15	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 21:25
	5-7km E	Recorded	7	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 21:26
	5-7km E	Recorded	17	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 21:29
	5-7km E	Recorded	5	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 21:30
	4-6km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	19-Jul, 21:30
	5-7km E	Recorded	6	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 21:31
	5-7km E	Recorded	2	Projectile	N to S (assessed as outside the disengagement area)	N/K	19-Jul, 21:31
	5-7km E	Recorded	11	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 21:32
	5-7km E	Recorded	11	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 21:34
	4-6km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	19-Jul, 21:34
	5-7km E	Recorded	16	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 21:35
	4-6km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	19-Jul, 21:35
	5-7km E	Recorded	18	Projectile	NNW to SSE (assessed as	N/K	19-Jul, 21:36

					outside the disengagement area)		
4-6km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	19-Jul, 21:36	
4-6km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	19-Jul, 21:38	
5-7km E	Recorded	2	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 21:38	
5-7km E	Recorded	7	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 21:39	
5-7km E	Recorded	10	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 21:40	
5-7km E	Recorded	7	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 21:41	
5-7km E	Recorded	6	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 21:42	
5-7km E	Recorded	2	Projectile	N to S (assessed as outside the disengagement area)	N/K	19-Jul, 21:42	
5-7km E	Recorded	6	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 21:43	
4-6km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	19-Jul, 21:43	
5-7km ESE	Recorded	1	Burst	Assessed as outside the disengagement area	N/K	19-Jul, 21:43	
5-7km E	Recorded	8	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 21:44	
5-7km E	Recorded	1	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 21:45	

	5-7km E	Recorded	14	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 21:50
	5-7km E	Recorded	5	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 21:51
	5-7km E	Recorded	6	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 21:53
	5-7km E	Recorded	10	Projectile	In vertical flight (assessed as outside the disengagement area)	N/K	19-Jul, 21:56
	5-7km E	Recorded	3	Projectile	In vertical flight (assessed as outside the disengagement area)	N/K	19-Jul, 21:57
	5-7km E	Recorded	7	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 21:57
	5-7km E	Recorded	1	Burst	In vertical flight (assessed as outside the disengagement area)	N/K	19-Jul, 21:57
	5-7km E	Recorded	2	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 22:01
	5-7km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	19-Jul, 22:01
	5-7km E	Recorded	4	Projectile	WNW to ESE (assessed as outside the disengagement area)	N/K	19-Jul, 22:03
	5-7km E	Recorded	1	Explosion	Airburst (assessed as outside the disengagement area)	N/K	19-Jul, 22:03
	5-7km E	Recorded	1	Illumination flare	In vertical flight (assessed as outside the disengagement area)	N/K	19-Jul, 22:05
	5-7km E	Recorded	2	Projectile	WNW to ESE (assessed as outside the	N/K	19-Jul, 22:08

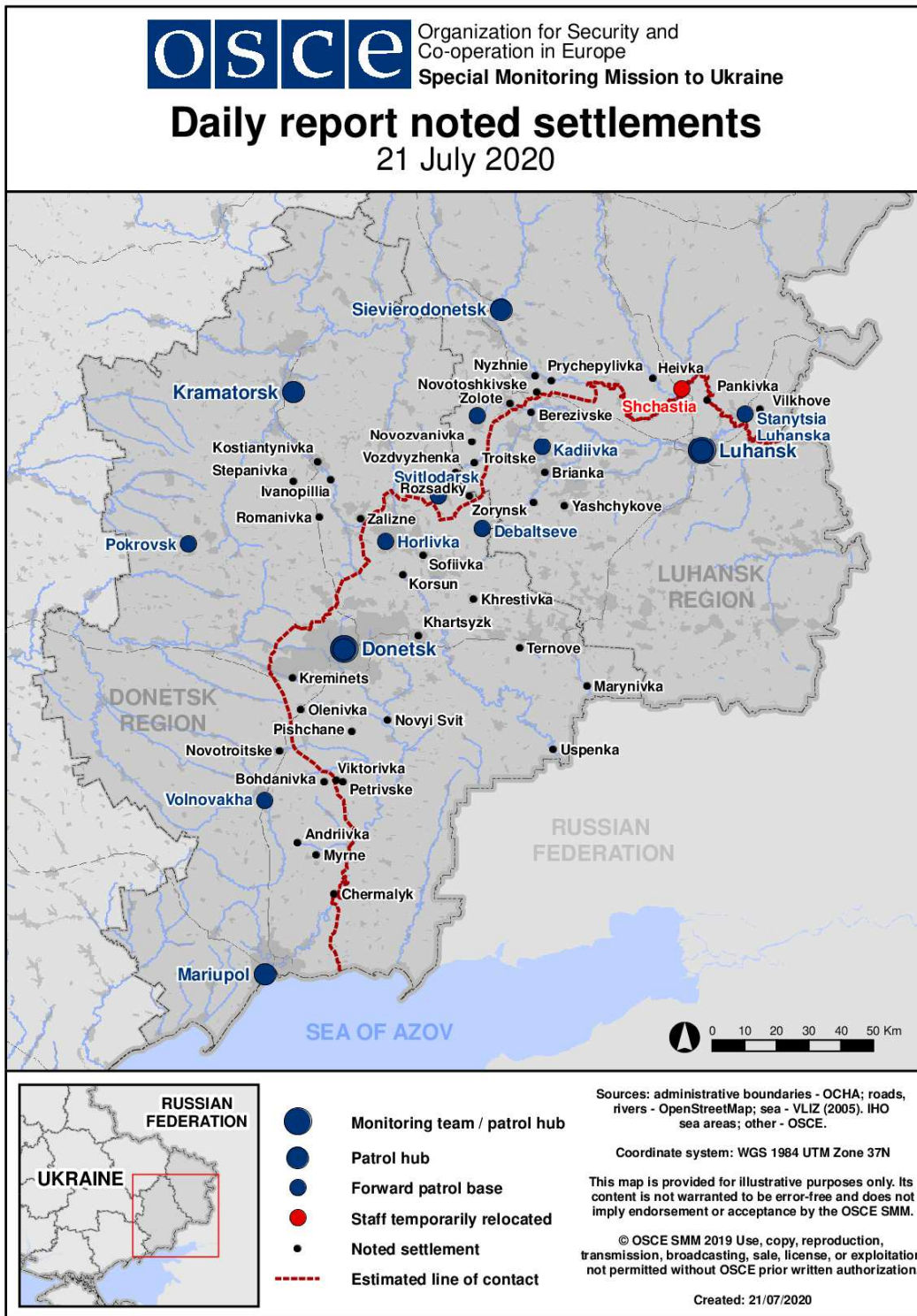
					disengagement area)		
5-7km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	19-Jul, 22:09	
5-7km E	Recorded	2	Projectile	SW to NE (assessed as outside the disengagement area)	N/K	19-Jul, 22:18	
5-7km E	Recorded	2	Muzzle flash	Assessed as outside the disengagement area	N/K	19-Jul, 22:27	
5-7km ESE	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	19-Jul, 22:27	
5-7km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	19-Jul, 22:30	
5-7km E	Recorded	24	Projectile	NW to SE (assessed as outside the disengagement area)	N/K	19-Jul, 22:44	
5-7km E	Recorded	10	Projectile	SW to NE (assessed as outside the disengagement area)	N/K	19-Jul, 22:53	
5-7km E	Recorded	8	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 23:08	
5-7km E	Recorded	4	Projectile	SW to NE (assessed as outside the disengagement area)	N/K	19-Jul, 23:08	
5-7km E	Recorded	2	Projectile	SW to NE (assessed as outside the disengagement area)	N/K	19-Jul, 23:09	
5-7km E	Recorded	1	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 23:09	
5-7km E	Recorded	2	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 23:10	
5-7km E	Recorded	1	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 23:14	

5-7km E	Recorded	2	Projectile	NW to SE (assessed as outside the disengagement area)	N/K	19-Jul, 23:15
5-7km E	Recorded	2	Projectile	SW to NE (assessed as outside the disengagement area)	N/K	19-Jul, 23:16
5-7km E	Recorded	14	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 23:18
5-7km E	Recorded	7	Projectile	SW to NE (assessed as outside the disengagement area)	N/K	19-Jul, 23:18
5-7km E	Recorded	6	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 23:19
5-7km E	Recorded	4	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 23:20
5-7km E	Recorded	5	Projectile	SW to NE (assessed as outside the disengagement area)	N/K	19-Jul, 23:20
5-7km E	Recorded	5	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 23:21
5-7km E	Recorded	5	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 23:22
5-7km E	Recorded	2	Projectile	NW to SE (assessed as outside the disengagement area)	N/K	19-Jul, 23:22
5-7km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	19-Jul, 23:22
5-7km E	Recorded	2	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 23:23
5-7km E	Recorded	1	Projectile	SW to NE (assessed as outside the disengagement area)	N/K	19-Jul, 23:23
5-7km E	Recorded	12	Projectile	NNW to SSE (assessed as	N/K	19-Jul, 23:30

					outside the disengagement area)		
	5-7km E	Recorded	7	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 23:32
	5-7km E	Recorded	2	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 23:41
	5-7km E	Recorded	4	Projectile	NW to SE (assessed as outside the disengagement area)	N/K	19-Jul, 23:42
	5-7km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	19-Jul, 23:42
	5-7km E	Recorded	4	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 23:43
	5-7km E	Recorded	3	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	19-Jul, 23:44
	5-7km E	Recorded	2	Muzzle flash	Assessed as outside the disengagement area	N/K	19-Jul, 23:44
	5-7km E	Recorded	1	Illumination flare	In vertical flight (assessed as outside the disengagement area)	N/K	19-Jul, 23:50
	5-7km E	Recorded	13	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	20-Jul, 00:18
	5-7km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Jul, 00:18
	5-7km E	Recorded	6	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	20-Jul, 01:05
	5-7km E	Recorded	1	Projectile	<u>NW to SE</u> (assessed as outside the disengagement area)	N/K	20-Jul, 01:17
N edge of Popasna (government-	5-7km ESE	Heard	1	Burst	Assessed as outside the Zolote	Small arms	20-Jul, 00:26

controlled, 69km W of Luhansk)					disengagement area		
	5-7km ESE	Heard	1	Burst	Assessed as outside the Zolote disengagement area	HMG	20-Jul, 00:34
	5-7km ESE	Heard	4	Burst	Assessed as outside the Zolote disengagement area	HMG	20-Jul, 00:38-00:51
	5-7km ESE	Heard	6	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	20-Jul, 01:40
About 2km S of Novozvanivka (government-controlled, 70km W of Luhansk)	4-5km NE	Heard	3	Explosion	Undetermined	N/K	20-Jul, 11:35-11:41
W edge of Berezivske (non-government-controlled, 53km NW of Luhansk)	10-15km ENE	Heard	16	Explosion	Undetermined	N/K	20-Jul, 14:05-14:20
	10-15km ENE	Heard	26	Explosion	Undetermined	N/K	20-Jul, 14:33-14:48
	1km N	Heard	3	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	20-Jul, 14:48

Map of Donetsk and Luhansk regions¹¹



¹¹ 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).