



Daily Report 267/2019

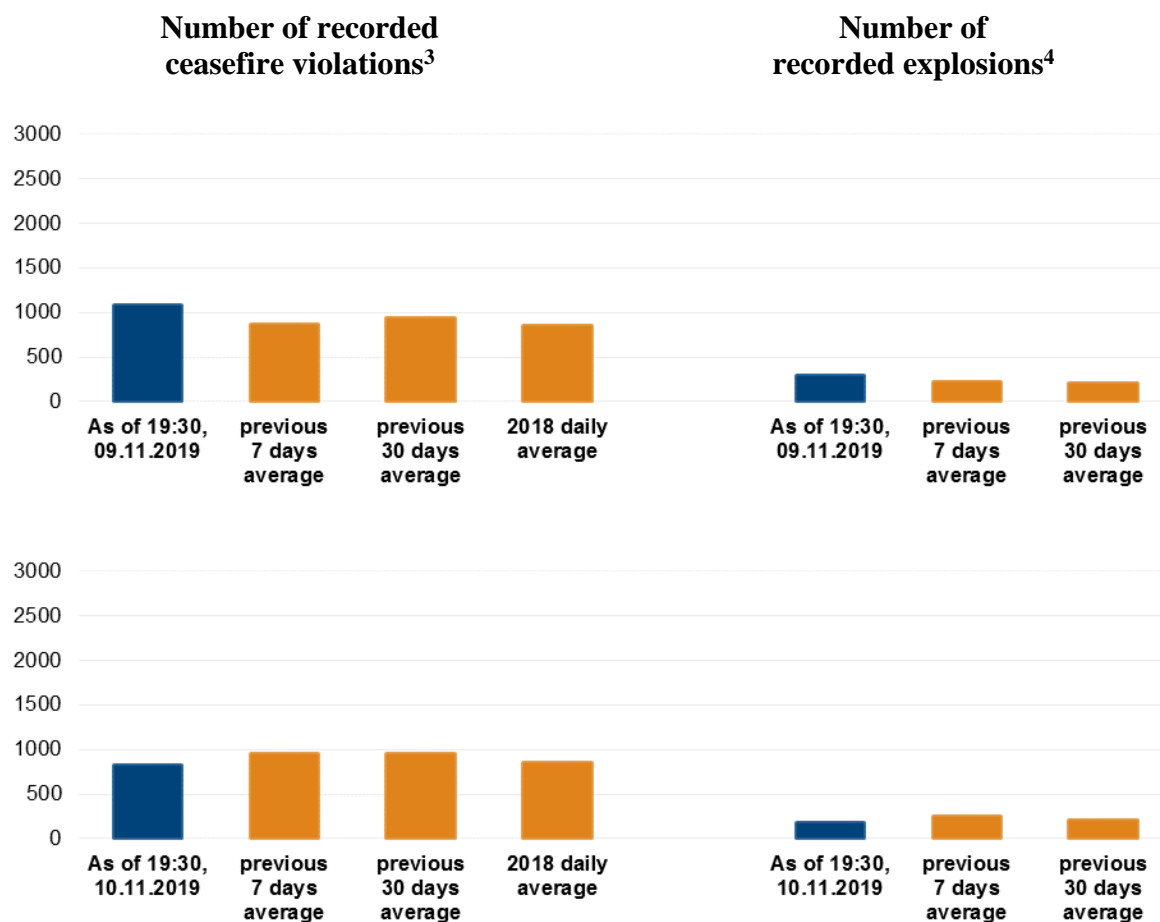
11 November 2019¹

Summary

- Compared with the previous reporting period, between the evenings of 8 and 9 November, the SMM recorded more ceasefire violations in both Donetsk and Luhansk regions.
- Between the evenings of 9 and 10 November, the Mission recorded fewer ceasefire violations in Donetsk region and more in Luhansk region, compared with the previous 24 hours.
- On 9 November, the Mission monitored the beginning of the disengagement process in the Petrivske disengagement area. On 10 November, the SMM observed further withdrawal of forces and hardware from the disengagement area.
- The Mission continued to observe demining activities inside the Zolote disengagement area.
- Inside the Stanytsia Luhanska disengagement area, the Mission continued to observe construction works at the broken section of the bridge.
- Man injured by shelling in non-government-controlled Spartak.
- The SMM observed weapons in violation of withdrawal lines in a non-government-controlled area of Luhansk region.
- The Mission continued to monitor adherence to the ceasefire to facilitate the operation of the Donetsk Filtration Station.
- Restrictions of the Mission's freedom of movement continued, including at checkpoints near non-government-controlled Staromykhailivka, Verkhnohyrokiyske, Novoazovsk.*

¹ Based on information from the Monitoring Teams as of 19:30, 10 November 2019. All times are in Eastern European Time.

Ceasefire violations²



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

³ Including explosions.

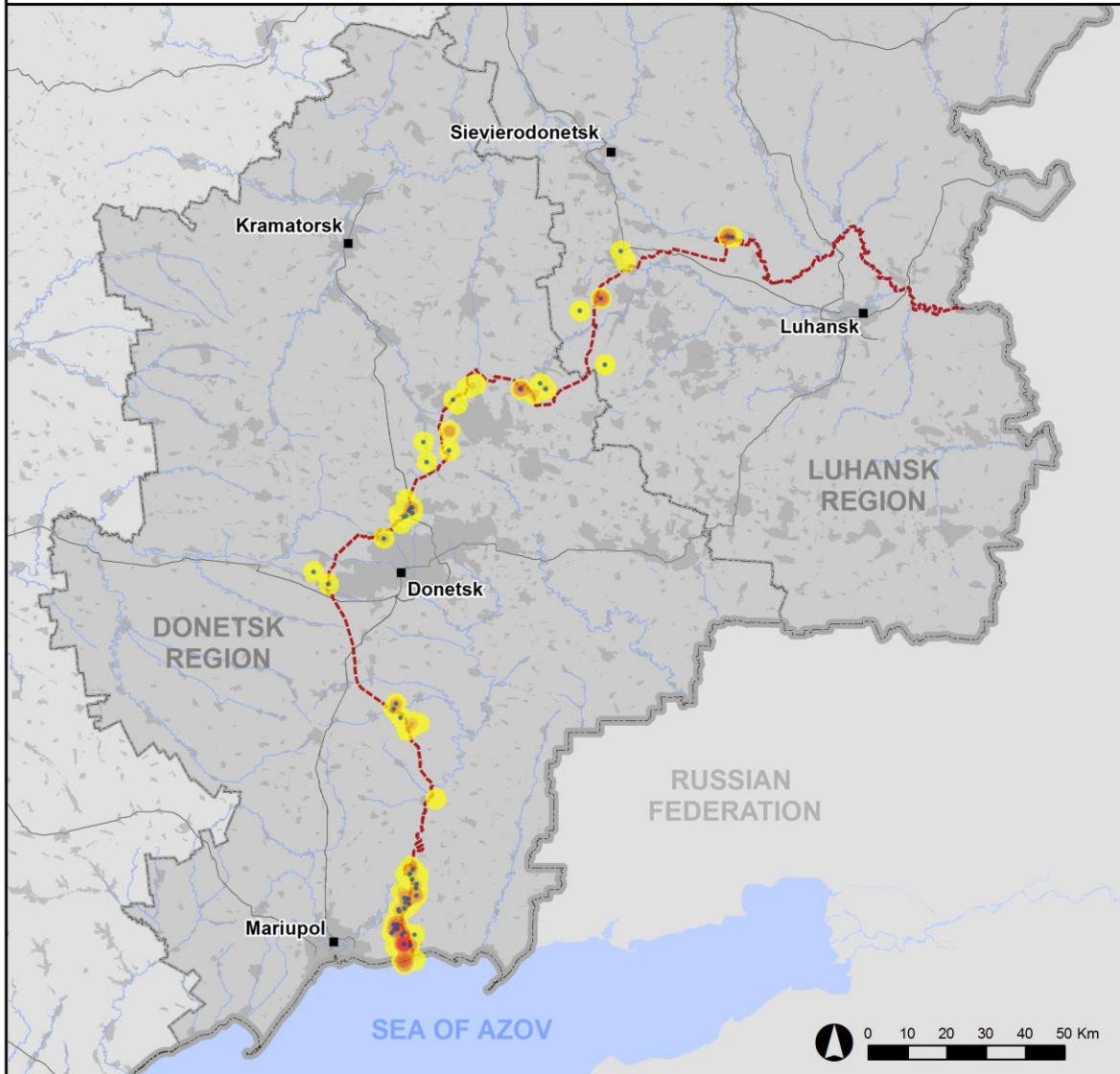
⁴ Including from unidentified weapons.

Map of recorded ceasefire violations

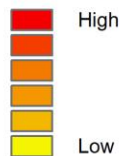


Organization for Security and
Co-operation in Europe
Special Monitoring Mission to Ukraine

Ceasefire violations observed by the SMM 9-10 November 2019



Ceasefire violation concentration



- Explosion
- Settlement
- Estimated line of contact

Sources: Administrative Boundaries - OCHA; Roads, Rivers - OpenStreetMap; Sea - VLIZ (2005). IHO Sea Areas; Other - OSCE.

Coordinate System: WGS 1984 UTM Zone 37N

This map is provided for illustrative purposes only. Its content is not warranted to be error-free and does not imply endorsement or acceptance by the OSCE SMM.

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Created: 11/11/2019

In Donetsk region, between the evenings of 8 and 9 November, the SMM recorded more ceasefire violations, including more explosions (about 290), compared with the [previous reporting period](#) (about 200 explosions). The majority of the ceasefire violations were recorded at northerly directions of Shyrokyne (government-controlled, 100km south of Donetsk), in areas south-east of Talakivka (government-controlled, 90km south of Donetsk) and in areas east and north-east of Lomakyne (government-controlled, 93km south of Donetsk). During the night of 8-9 November, the SMM camera at the Donetsk Filtration Station (DFS) (15km north of Donetsk) recorded three undetermined explosions and three projectiles at an assessed range of 0.3-1km at southerly directions.

Between the evenings of 9 and 10 November, the Mission recorded fewer ceasefire violations, including fewer explosions (about 115), compared with the previous 24 hours. The majority of the ceasefire violations were recorded again at northerly directions of Shyrokyne and at easterly directions of Berdianske (government-controlled, 103km south of Donetsk). During the night of 9-10 November, the SMM camera at the DFS recorded 15 undetermined explosions and 13 projectiles at an assessed range of 0.3-2km and at southerly directions.

In Luhansk region, between the evenings of 8 and 9 November, the SMM recorded more ceasefire violations, including, however, fewer explosions (17), compared with the [previous reporting period](#) (about 40 explosions). The majority of the ceasefire violations, including the majority of explosions, were recorded in areas south-west of Kriakivka (government-controlled, 38km north-west of Luhansk).

Between the evenings of 9 and 10 November, the Mission recorded more ceasefire violations, including more explosions (about 50), compared with the previous 24 hours. All ceasefire violations were recorded in areas south and south-east of Popasna (government-controlled, 69km west of Luhansk).

Beginning of the disengagement process at the Petrivske disengagement area⁵

On 9 November, the SMM observed the [beginning of the disengagement process at the disengagement area near Petrivske](#) (non-government-controlled, 41km south of Donetsk).

Shortly after 12:00, positioned near the disengagement area in Petrivske and Bohdanivka, the Mission saw the launch of white flares by the Ukrainian Armed Forces and by the armed formations, indicating their readiness to disengage. From the same locations, the SMM subsequently saw two green flares - one launched by the Ukrainian Armed Forces and another one by the armed formations, signalling the beginning of disengagement.

At about 12:00, positioned in Bohdanivka (government-controlled, 41km south-west of Donetsk), the SMM saw three infantry fighting vehicles (IFV) (BMP-2), with Ukrainian Armed Forces personnel on board, and a military truck with two Ukrainian Armed Forces personnel on board, together with their weapons, all exiting the disengagement area and heading west towards Bohdanivka.

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

Between 12:23 and 13:45, positioned 1.5km east of Bohdanivka, the Mission saw Ukrainian Armed Forces personnel, together with their weapons, exiting the area on board of two military trucks and three IFVs (BMP-2) and heading west towards Bohdanivka.

At 12:25, positioned in Petrivske, the SMM saw members of the armed formations, together with their weapons, outside the disengagement area, boarding a military-type truck and heading north towards Styła (non-government-controlled, 34km south of Donetsk).

On the same day, inside the disengagement area, an SMM mini-unmanned aerial vehicle (UAV) spotted [again](#) about 200 anti-tank mines (TM-62M and TM-62P3) laid in two rows running north to south, about 700m south of the area's northern edge and about 900m east of its western edge. The same UAV [again](#) spotted about 200 anti-tank mines running north to south about 1km east of its western edge, starting at about 650m north of the area's northern edge and continuing 350m south of the foresaid edge (70 of which are inside the disengagement area), assessed as belonging to the Ukrainian Armed Forces.

On the same day, positioned about 500m north-west of Petrivske, the SMM heard 20 undetermined explosions and a burst of heavy-machine-gun fire, all at an assessed range of 6-8km north-west and assessed as outside the disengagement area but within its 5km periphery. Additionally, while positioned in Petrivske, the SMM observed a non-SMM mini-UAV flying in a westerly direction.

On 10 November, outside of the disengagement area, positioned about 1.5km east of Bohdanivka, the SMM saw Ukrainian Armed Forces personnel, with their weapons walking from easterly and southerly directions and heading south and west, outside of the disengagement area. Additionally, about 160m north of the area's northern edge, an SMM-mini UAV [again](#) spotted 38 anti-tank mines laid across the road between Bohdanivka and Viktorivka (non-government-controlled, 42km south-west of Donetsk), assessed as belonging to the Ukrainian Armed Forces. About 250m north-west of its north-eastern edge, it [again](#) spotted a recoilless rifle system (SPG-9, 73mm) in a military-type position assessed as belonging to the armed formations. About 80m south-west, the same UAV spotted unexploded ordnance (UXO), assessed as a piece of a rocket-propelled grenade (RPG-7).

On the same day, positioned on the western edge of Petrivske and in Bohdanivka, the SMM heard 12 shots of small-arms fire, respectively 1km south-south-west and 2-3km south-east, all assessed as inside the disengagement area. Positioned about 2km north of Petrivske, the Mission heard ten shots of small-arms fire 1-2km south-west (unable to assess whether outside or inside the disengagement area). Positioned at the same location, the SMM also heard three undetermined explosions and a shot of small-arms fire, at an assessed range of 3-5km west and 1-2km south-south-east respectively, all assessed as outside the disengagement area but within its 5km periphery.

Disengagement areas near Zolote and Stanytsia Luhanska

On 9 November, in line with the commitments undertaken at the meeting of the [Trilateral Contact Group](#) (TCG) on 1 October, the SMM received a Note Verbale from the Ministry of Foreign Affairs of Ukraine and a letter from the armed formations, in which they inform the SMM about the completion of clearance of the roads and their shoulders and removal of obstacles, the clearance of areas from mines and explosive ordnance and the fencing-off of

areas contaminated with explosive ordnance in the **disengagement area near Zolote** (government-controlled, 60km west of Luhansk).

On the same day, at the checkpoint of the armed formations on the southern edge of the disengagement area, the SMM saw a senior member of the armed formations (wearing an armband with “JCCC” written on it), 17 workers and seven deminers from non-government-controlled areas entering the disengagement area and walking on road T-1316 to about 1km north of its southern edge. Positioned at the same location, the Mission heard an explosion, about 1km north-north-west of the southern edge, assessed as a controlled detonation of UXO.

On 10 November, the SMM saw three deminers from non-government-controlled areas at the checkpoint of the armed formations on the southern edge of the disengagement area. It then saw two deminers from non-government-controlled areas on board of a truck with “MChS” written on it entering the disengagement area and driving north. Positioned at the aforesaid checkpoint, the Mission heard an explosion about 600m north-west, assessed as a controlled detonation.

On the evening of 9 November, the SMM camera in Zolote recorded an undetermined explosion and a projectile at an assessed range of 2-5km at north-easterly directions, all assessed as outside the disengagement area but within its 5km periphery.

On 9 November, inside the **disengagement area near Stanytsia Luhanska**, the Mission saw two deminers as well as at least 19 workers from government-controlled areas installing and welding a deck at the broken section of the Stanytsia Luhanska bridge (15km north-east of Luhansk). The SMM saw that the scaffolding supporting the deck of the bridge during its construction was being removed by the aforesaid workers.

On the same day, south of the bridge, the SMM saw five workers from non-government-controlled areas clearing and burning vegetation east of the road between the shelter of an international organization and the checkpoint of the armed formations, as well as installing benches inside the aforesaid shelter.

On the same day, inside the disengagement area, an SMM mini-UAV spotted for the first time a concertina wire east of the road and extending to at least about 300-400m east partially within a treeline, about 200m south of its northern edge.

On 10 November, the Mission continued to observe at least 19 workers from government-controlled areas sandblasting and welding the deck of the bridge as well as removing the above-mentioned scaffolding

On 9 and 10 November, the SMM saw up to 15 members of the armed formations (wearing armbands with “JCCC” written on them) between the broken section of the bridge and the checkpoint of the armed formations.

Man injured by shelling in non-government-controlled Spartak

On 9 November, at the Donetsk Regional Trauma Hospital, the SMM saw a man (40 years old) with bandages on his left leg and right upper arm. He told the Mission that on the morning of 1 November he had been outside his house at Pryvokzalna Street in Spartak (non-government-controlled, 9km north of Donetsk) when he heard the sound of two explosions and fell to the

ground. On 2 November, medical staff at the aforesaid hospital told the SMM that the man had been admitted on 1 November with shrapnel wounds to his left leg and right shoulder due to shelling.

Withdrawal of weapons

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

The Mission observed 21 weapons in violation of withdrawal lines in a non-government-controlled area of Luhansk region. It also observed weapons beyond withdrawal lines but outside of designated storage sites in government-controlled areas of Luhansk and Donetsk regions (for further details, see the tables below).

Weapons permanent storage sites

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

The SMM noted that eight tanks (five T-72 and three T-64) continued to be missing.

At a heavy weapons permanent storage site in a non-government-controlled area of Luhansk region

10 November

The SMM saw that all weapons were present.

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

The SMM observed military and military-type presence inside the security zone on both sides of the contact line in Luhansk region and in government-controlled areas of Donetsk region, including five armoured combat vehicles near a functioning school in Avdiivka (government-controlled, 17km north of Donetsk) (for further details, see the table below).

On 8 November, an SMM mini-UAV spotted a military excavator (EEOV-4421) and three members of the armed formations reinforcing a military-type position, as well as one of the members of the armed formations pointing a rifle towards the SMM mini-UAV flying 2km south of Khrystove (non-government-controlled, 18km north of Luhansk) (for previous observation in the area, see [SMM Daily Report 9 November 2019](#)).

On 9 November, in the north-eastern outskirts of Molodizhne (non-government-controlled, 63km west of Luhansk), the SMM saw six members of the armed formations cleaning existing trenches and covering them with tree branches 10m north of a road.

Anti-tank mines near Shchastia, Vesela Hora and Talakivka, as well as UXO near Lebedynske

On 8 November, about 2km north-east of Vesela Hora (non-government-controlled, 16km north of Luhansk), an SMM mini-UAV [again](#) spotted four anti-tank mines (TM-62), assessed

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

as belonging to the armed formations, laid across the western lane of road H-21 leading to the bridge in Shchastia (government-controlled, 20km north of Luhansk). Approximately 2km north-west and about 150m south-east of the bridge in Shchastia, the same UAV also again spotted 36 anti-tank mines (TM-62) laid across the same road assessed as belonging to the Ukrainian Armed Forces.

On 9 November, an SMM mini-UAV [again](#) spotted about 20 anti-tank mines in a field south of a local road about 2km north-west of Pikuzy (formerly Kominternove, 92km south of Donetsk), between the forward positions of the Ukrainian Armed Forces and those of the armed formations.

On the same day, in Staryi Aidar (government-controlled, 20km north-west of Luhansk), the SMM saw for the first time “Mines!” written in Russian in the middle of an asphalt road that leads to a bridge connecting Staryi Aidar with Shchastia which is used daily by civilians.

On 10 November, the SMM saw for the first time a piece of UXO, assessed as a high explosive incendiary projectile, lying in a field on the north-eastern outskirts of Lebedynske (government-controlled, 99km south of Donetsk).

Border areas outside government control

On 9 November, while at a border crossing point near Uspenka (73km south-east of Donetsk) for an hour, the SMM saw 13 cars (seven with Ukrainian, three with Russian Federation and one with Georgian licence plates, as well as two with “DPR” plates), five covered cargo trucks (two with Ukrainian and two with Russian Federation licence plates, as well as one with “DPR” plates), two buses with “DPR” plates and a pedestrian (a man in his thirties) entering Ukraine. It also saw 13 cars (five with Ukrainian, one with Russian Federation and six with Georgian licence plates, as well as one with “DPR” plates), five covered cargo trucks (two with Ukrainian and one with Russian Federation licence plates, as well as two “DPR” plates) and two buses with “DPR” plates exiting Ukraine.

On the same day, while at a border crossing point near Novoazovsk (102km south-east of Donetsk) for about 30 minutes, the SMM saw 12 cars (ten with Ukrainian licence plates and two with “DPR” plates) and two covered cargo trucks with “DPR” plates entering Ukraine. The SMM also saw 18 cars (15 with Ukrainian licence plates, as well as three with “DPR” plates) and seven covered cargo trucks (four with Ukrainian licence plates and three with “DPR” plates) exiting Ukraine.

SMM facilitation of operation of critical civilian infrastructure

On 9 and 10 November, the SMM monitored adherence to the ceasefire to facilitate the operation of the DFS.

Peaceful protest in Kyiv

On the evening of 9 November, in front of the Embassy of the Republic of Poland at 12 Yaroslaviv Val Street in Kyiv, the SMM observed a peaceful protest of about 200 people (mixed gender and ages) reportedly in response to media reports that an ATO veteran had been detained in Poland. The SMM saw about 30 police officers.

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

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

The SMM's monitoring and freedom of movement are restricted by security hazards and threats, including risks posed by mines, 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 26 October 2019](#)). The SMM's operations in Donetsk and Luhansk regions remain restricted following [the fatal incident of 23 April 2017 near Pryshyb](#); these restrictions continued to limit the Mission's observations.

Denial of access:

- On 9 November, at a checkpoint in Staromykhailivka (non-government-controlled, 15km west of Donetsk), a member of the armed formations denied the SMM passage, citing “safety and security reasons”.
- On 9 November, at a checkpoint near Verkhnohyrokiivske (formerly Oktiabr, non-government-controlled, 85km south of Donetsk), two members of the armed formations (one of them visibly armed) [again](#) denied the SMM passage, citing “operations in the area”.
- On 9 November, at a checkpoint north of Novoazovsk (non-government-controlled, 102km south-east of Donetsk), two armed members of the armed formations [again](#) denied the SMM passage towards Siedove (non-government-controlled, 106km south of Donetsk), citing “operations in the area”.

Regular restrictions related to disengagement areas and mines/UXO:

- The sides continued to deny the SMM full access to disengagement areas near Zolote and Petrivske, 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 and UXO.

Other impediments:

- On 10 November, on six occasions, an SMM mini-UAV experienced GPS signal interference, assessed as caused by probable jamming while flying over Bohdanivka (government-controlled, 41km south-west of Donetsk).⁷

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

Table of weapons

Weapons in violation of the withdrawal lines

| Date | No. of weapons | Type of weapon | Location | Source of observation |
|----------------------------------------|----------------|-----------------------------------------------------------|-----------------------------------------------------------------------|-----------------------|
| Non-government-controlled areas | | | | |
| 10/11/2019 | 21 | Multiple launch rocket system (BM-21 <i>Grad</i> , 122mm) | Near Khrustalnyi (formerly Krasnyi Luch, 56km south-west of Luhansk). | Patrol |

Beyond withdrawal lines but outside of designated storage sites

| Date | No. of weapons | Type of weapon | Location | Source of observation |
|------------------------------------|----------------|--------------------------------------------------|---------------------------------------|-----------------------|
| Government-controlled areas | | | | |
| 08/11/2019 | 8 | Towed howitzer (2A36 <i>Giatsint-B</i> , 152mm) | Rubizhne (84km north-west of Luhansk) | Mini-UAV |
| | 4 | Surface-to-air missile system (9K33 <i>Osa</i>) | Kasianivka (81km south of Donetsk) | Mini-UAV |

Table of indications of military and military-type presence in the security zone⁸

| Date | No. | Type | Location | Source of observation |
|----------------------------------------|-----|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Government-controlled areas | | | | |
| 09/11/2019 | 1 | Armoured combat vehicle | 4km east of Talakivka (90km south of Donetsk) | Patrol |
| | 1 | Infantry fighting vehicles (BMP-2) | In Popasna (69km west of Luhansk) | |
| | 1 | Infantry fighting vehicles (BMP-1) | In Oleksandropillia (71km west of Luhansk) | |
| | 1 | Armoured personnel carrier (BTR-60) | Near Novobakhmutivka (28km north of Donetsk) | |
| | 5 | Armoured personnel carrier (two BTR-70, one BTR-80, one MT-LB and one undetermined) | Near a functioning school in Avdiivka (17km north of Donetsk) | |
| | 1 | Infantry fighting vehicle (BMP-2) | | |
| 10/11/2019 | 1 | Infantry fighting vehicle (BMP-1) | Oleksandropillia (71km west of Luhansk) | |
| | 1 | Armoured personnel carrier (MT-LB) | Lebedynske (99km south of Donetsk) | |
| Non-government-controlled areas | | | | |
| 08/11/2019 | 3 | Infantry fighting vehicles (BMP-1) | Near Vesela Hora (16km north of Luhansk) | Mini-UAV |
| | 1 | Armoured combat vehicle | | |
| | 1 | Member of the armed formations pointing rifle towards an SMM mini-UAV | 2km south of Khrystove (18km north of Luhansk) (for previous observation in the area, see SMM Daily Report 9 November 2019). | |
| | 1 | Three members of the armed formations and a military excavator (EEOV-4421) reinforcing a military-type position | | |

⁸ The hardware mentioned in this section is not proscribed by the provisions of the Minsk agreements on the withdrawal of weapons.

Table of ceasefire violations as of 10 November 2019⁹

| SMM position | Event location | Means | No. | Observation | Description | Weapon | Date, time |
|--------------------------------------------------------------------------------------------|----------------|----------|-----|--------------|-----------------------------------------------------------------------------------|--------|--------------|
| SMM camera in Avdiivka (government-controlled, 17km N of Donetsk) | 3-4km SE | Recorded | 1 | Projectile | S to N (also recorded by both SMM cameras in Verkhnohyroki vske and Avdiivka) | N/K | 8-Nov, 20:38 |
| | 3-4km SE | Recorded | 1 | Muzzle flash | | N/K | 8-Nov, 20:38 |
| | 3-4km SE | Recorded | 1 | Explosion | Undetermined | N/K | 8-Nov, 20:38 |
| | 4-5km SSE | Recorded | 2 | Projectile | NNW to SSE (also recorded by both SMM cameras in Verkhnohyroki vske and Avdiivka) | N/K | 8-Nov, 21:31 |
| SMM camera in Chermalyk (government-controlled, 77km S of Donetsk) | 1-2km SE | Recorded | 3 | Projectile | ESE to WNW | N/K | 8-Nov, 19:38 |
| | 2-4km S | Recorded | 1 | Projectile | WNW to ESE | N/K | 8-Nov, 22:46 |
| SMM camera at Donetsk Filtration Station (15km N of Donetsk) | 2-4km SSW | Recorded | 1 | Explosion | Airburst | N/K | 8-Nov, 18:46 |
| | 300-800m S | Recorded | 1 | Projectile | W to E | N/K | 8-Nov, 23:00 |
| | 0.5-1km SSE | Recorded | 2 | Explosion | Undetermined | N/K | 9-Nov, 01:10 |
| | 0.5-1km SSW | Recorded | 2 | Projectile | W to E | N/K | 9-Nov, 01:10 |
| | 0.5-1km S | Recorded | 1 | Explosion | Undetermined | N/K | 9-Nov, 02:10 |
| SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk) | 1-2km SSW | Recorded | 1 | Explosion | Undetermined | N/K | 9-Nov, 03:13 |
| | 2-3km E | Recorded | 1 | Projectile | NNE to SSW | N/K | 8-Nov, 19:34 |
| | 2-3km E | Recorded | 2 | Explosion | Impact | N/K | 8-Nov, 19:34 |
| | 2-3km E | Recorded | 4 | Explosion | Impact | N/K | 8-Nov, 19:38 |
| | 2-3km E | Recorded | 1 | Projectile | NNE to SSW | N/K | 8-Nov, 19:47 |
| | 2-3km E | Recorded | 1 | Explosion | Impact | N/K | 8-Nov, 19:47 |
| | 2-4km ESE | Recorded | 1 | Projectile | WSW to ENE | N/K | 8-Nov, 23:21 |
| | 2-4km ESE | Recorded | 1 | Explosion | Outgoing | N/K | 8-Nov, 23:31 |
| | 2-4km ESE | Recorded | 1 | Explosion | Outgoing | N/K | 9-Nov, 03:34 |
| SMM camera E of Lomakyne (government-controlled, 90km S of Donetsk) | 2-4km ESE | Recorded | 1 | Projectile | SSW to NNE | N/K | 9-Nov, 03:34 |
| | 2-4km ESE | Recorded | 1 | Explosion | Impact | N/K | 9-Nov, 03:34 |
| SMM camera E of Lomakyne (government-controlled, 90km S of Donetsk) | 2-3km ESE | Recorded | 1 | Explosion | Impact | N/K | 8-Nov, 18:24 |
| | 2-3km ESE | Recorded | 1 | Explosion | Impact | N/K | 8-Nov, 18:24 |
| | 2-3km ESE | Recorded | 1 | Explosion | Impact | N/K | 8-Nov, 18:24 |
| SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk) | 1-2km ENE | Recorded | 1 | Projectile | NW to SE | N/K | 8-Nov, 19:09 |
| | 2-4km ENE | Recorded | 1 | Projectile | NW to SE | N/K | 8-Nov, 21:53 |
| | 2-4km ENE | Recorded | 1 | Projectile | NW to SE | N/K | 8-Nov, 22:33 |
| SMM camera 1km SW of Shyrokyne (government- | 3-5km N | Recorded | 5 | Projectile | W to E | N/K | 8-Nov, 16:44 |
| | 3-5km N | Recorded | 2 | Projectile | N to S | N/K | 8-Nov, 16:44 |
| | 3-5km N | Recorded | 1 | Explosion | Undetermined | N/K | 8-Nov, 16:44 |

⁹ The table only includes ceasefire violations directly observed by the SMM 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 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 and/or other considerations. Ceasefire violations recorded by more than one patrol and assessed to be the same are entered only once.

| | | | | | | | | |
|---------------------------------|-----------|-----------|----------|--------------------|--------------------|--------------------|--------------|--------------|
| controlled, 100km S of Donetsk) | 3-5km N | Recorded | 4 | Projectile | W to E | N/K | 8-Nov, 16:45 | |
| | 3-5km N | Recorded | 20 | Projectile | W to E | N/K | 8-Nov, 16:52 | |
| | 3-5km N | Recorded | 16 | Projectile | W to E | N/K | 8-Nov, 16:53 | |
| | 3-5km N | Recorded | 1 | Projectile | W to E | N/K | 8-Nov, 16:54 | |
| | 3-5km N | Recorded | 2 | Projectile | W to E | N/K | 8-Nov, 16:56 | |
| | 3-5km N | Recorded | 1 | Illumination flare | In vertical flight | N/K | 8-Nov, 16:57 | |
| | 3-5km N | Recorded | 3 | Projectile | W to E | N/K | 8-Nov, 16:58 | |
| | 3-5km NNW | Recorded | 1 | Illumination flare | In vertical flight | N/K | 8-Nov, 16:58 | |
| | 3-5km N | Recorded | 16 | Projectile | W to E | N/K | 8-Nov, 16:59 | |
| | 3-5km N | Recorded | 2 | Projectile | E to W | N/K | 8-Nov, 16:59 | |
| | 3-5km N | Recorded | 1 | Explosion | Undetermined | N/K | 8-Nov, 16:59 | |
| | 3-5km N | Recorded | 7 | Projectile | W to E | N/K | 8-Nov, 17:00 | |
| | 3-5km N | Recorded | 6 | Projectile | W to E | N/K | 8-Nov, 17:02 | |
| | 3-5km N | Recorded | 3 | Projectile | W to E | N/K | 8-Nov, 17:11 | |
| | | 3-5km N | Recorded | 2 | Projectile | In vertical flight | N/K | 8-Nov, 17:11 |
| 3-5km N | | Recorded | 4 | Projectile | In vertical flight | N/K | 8-Nov, 17:12 | |
| 3-5km N | | Recorded | 5 | Muzzle flash | | N/K | 8-Nov, 17:12 | |
| | 3-5km N | Recorded | 10 | Projectile | W to E | N/K | 8-Nov, 17:12 | |
| | 3-5km N | Recorded | 5 | Explosion | Undetermined | N/K | 8-Nov, 17:13 | |
| | 3-5km N | Recorded | 9 | Projectile | W to E | N/K | 8-Nov, 17:13 | |
| | 3-5km N | Recorded | 5 | Projectile | W to E | N/K | 8-Nov, 17:14 | |
| | 3-5km N | Recorded | 3 | Projectile | W to E | N/K | 8-Nov, 17:28 | |
| | 3-5km N | Recorded | 1 | Explosion | Impact | N/K | 8-Nov, 17:32 | |
| | 3-5km N | Recorded | 4 | Projectile | E to W | N/K | 8-Nov, 17:38 | |
| | 3-5km N | Recorded | 1 | Explosion | Impact | N/K | 8-Nov, 17:39 | |
| | 3-5km N | Recorded | 1 | Projectile | E to W | N/K | 8-Nov, 17:39 | |
| | 3-5km N | Recorded | 5 | Projectile | E to W | N/K | 8-Nov, 17:41 | |
| | 3-5km N | Recorded | 11 | Projectile | W to E | N/K | 8-Nov, 17:43 | |
| | 3-5km N | Recorded | 5 | Projectile | E to W | N/K | 8-Nov, 17:43 | |
| | 3-5km N | Recorded | 1 | Projectile | In vertical flight | N/K | 8-Nov, 17:43 | |
| | 3-5km N | Recorded | 1 | Explosion | Undetermined | N/K | 8-Nov, 17:43 | |
| | 3-5km N | Recorded | 5 | Projectile | W to E | N/K | 8-Nov, 17:44 | |
| | 3-5km N | Recorded | 1 | Explosion | Undetermined | N/K | 8-Nov, 17:44 | |
| | 3-5km N | Recorded | 11 | Projectile | W to E | N/K | 8-Nov, 17:46 | |
| | 3-5km N | Recorded | 1 | Projectile | In vertical flight | N/K | 8-Nov, 17:46 | |
| | 3-5km N | Recorded | 7 | Projectile | W to E | N/K | 8-Nov, 17:47 | |
| | 3-5km N | Recorded | 23 | Projectile | E to W | N/K | 8-Nov, 17:47 | |
| | | 3-5km NNE | Recorded | 13 | Explosion | Undetermined | N/K | 8-Nov, 17:47 |
| | | 3-5km N | Recorded | 13 | Projectile | W to E | N/K | 8-Nov, 17:49 |
| | | 3-5km N | Recorded | 2 | Projectile | In vertical flight | N/K | 8-Nov, 17:49 |
| 3-5km N | | Recorded | 2 | Projectile | E to W | N/K | 8-Nov, 17:49 | |
| 3-5km N | | Recorded | 5 | Projectile | W to E | N/K | 8-Nov, 17:50 | |
| 3-5km N | | Recorded | 1 | Burst | In vertical flight | N/K | 8-Nov, 18:09 | |
| 3-5km N | | Recorded | 7 | Projectile | E to W | N/K | 8-Nov, 18:11 | |
| 3-5km N | | Recorded | 1 | Explosion | Airburst | N/K | 8-Nov, 18:11 | |
| 3-5km N | | Recorded | 2 | Explosion | Impact | N/K | 8-Nov, 18:11 | |
| 3-5km N | | Recorded | 1 | Muzzle flash | | N/K | 8-Nov, 18:12 | |
| 3-5km N | | Recorded | 5 | Projectile | E to W | N/K | 8-Nov, 18:12 | |
| 3-5km N | | Recorded | 2 | Projectile | E to W | N/K | 8-Nov, 18:13 | |
| 3-5km N | | Recorded | 1 | Projectile | SSE to NNW | N/K | 8-Nov, 18:13 | |
| 3-5km NNE | | Recorded | 3 | Explosion | Undetermined | N/K | 8-Nov, 18:13 | |
| 3-5km N | | Recorded | 5 | Projectile | E to W | N/K | 8-Nov, 18:14 | |
| 3-5km N | | Recorded | 2 | Muzzle flash | | N/K | 8-Nov, 18:15 | |
| 3-5km N | | Recorded | 11 | Projectile | E to W | N/K | 8-Nov, 18:15 | |
| 3-5km N | | Recorded | 3 | Projectile | E to W | N/K | 8-Nov, 18:16 | |
| 3-5km N | | Recorded | 2 | Projectile | SE to NW | N/K | 8-Nov, 18:16 | |
| 3-5km N | | Recorded | 9 | Projectile | E to W | N/K | 8-Nov, 18:17 | |
| 3-5km N | | Recorded | 2 | Muzzle flash | | N/K | 8-Nov, 18:18 | |
| 3-5km N | | Recorded | 9 | Projectile | E to W | N/K | 8-Nov, 18:18 | |

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| 3-5km N | Recorded | 1 | Explosion | | N/K | 8-Nov, 18:24 |
| 3-5km N | Recorded | 1 | Projectile | SW to NE | N/K | 9-Nov, 00:45 |
| 3-5km N | Recorded | 2 | Projectile | WSW to ENE | N/K | 9-Nov, 00:49 |
| 3-5km N | Recorded | 1 | Muzzle flash | | N/K | 9-Nov, 01:00 |
| 3-5km N | Recorded | 1 | Projectile | WSW to ENE (subsequent to previous event) | N/K | 9-Nov, 01:00 |
| 3-5km N | Recorded | 1 | Explosion | Airburst | N/K | 9-Nov, 01:00 |
| 3-5km N | Recorded | 2 | Projectile | WSW to ENE | N/K | 9-Nov, 01:04 |
| 6-8km N | Recorded | 1 | Projectile | S to N (also recorded by the SMM camera in Lomakyne) | N/K | 9-Nov, 01:09 |
| 3-5km N | Recorded | 3 | Projectile | W to E | N/K | 9-Nov, 01:09 |
| 3-5km N | Recorded | 4 | Projectile | WSW to ENE | N/K | 9-Nov, 01:10 |
| 3-5km N | Recorded | 5 | Projectile | WSW to ENE | N/K | 9-Nov, 01:11 |
| 3-5km N | Recorded | 1 | Projectile | SW to NE | N/K | 9-Nov, 01:12 |
| 3-5km N | Recorded | 1 | Explosion | Undetermined | N/K | 9-Nov, 01:15 |
| 3-5km N | Recorded | 3 | Projectile | W to E | N/K | 9-Nov, 01:16 |
| 3-5km N | Recorded | 1 | Projectile | W to E | N/K | 9-Nov, 01:16 |
| 3-5km N | Recorded | 2 | Projectile | W to E | N/K | 9-Nov, 01:17 |
| 3-5km N | Recorded | 18 | Projectile | W to E | N/K | 9-Nov, 01:18 |
| 3-5km N | Recorded | 12 | Projectile | W to E | N/K | 9-Nov, 01:19 |
| 3-5km N | Recorded | 1 | Projectile | W to E | N/K | 9-Nov, 01:26 |
| 3-5km N | Recorded | 1 | Projectile | W to E | N/K | 9-Nov, 01:27 |
| 3-5km N | Recorded | 1 | Projectile | W to E | N/K | 9-Nov, 01:28 |
| 3-5km N | Recorded | 3 | Projectile | W to E | N/K | 9-Nov, 01:29 |
| 3-5km N | Recorded | 5 | Projectile | SW to NE | N/K | 9-Nov, 01:31 |
| 3-5km N | Recorded | 1 | Projectile | WSW to ENE | N/K | 9-Nov, 01:32 |
| 3-5km N | Recorded | 1 | Projectile | ESE to WNW | N/K | 9-Nov, 01:32 |
| 3-5km N | Recorded | 1 | Projectile | WSW to ENE | N/K | 9-Nov, 01:35 |
| 3-5km N | Recorded | 2 | Projectile | WSW to ENE | N/K | 9-Nov, 01:36 |
| 3-5km NNE | Recorded | 2 | Projectile | W to E | N/K | 9-Nov, 01:38 |
| 3-5km N | Recorded | 1 | Projectile | WSW to ENE | N/K | 9-Nov, 01:40 |
| 3-5km N | Recorded | 5 | Projectile | WSW to ENE | N/K | 9-Nov, 01:45 |
| 3-5km N | Recorded | 1 | Explosion | Undetermined | N/K | 9-Nov, 01:45 |
| 3-5km N | Recorded | 1 | Projectile | WSW to ENE | N/K | 9-Nov, 01:47 |
| 3-5km N | Recorded | 1 | Projectile | W to E | N/K | 9-Nov, 01:51 |
| 3-5km N | Recorded | 1 | Projectile | W to E | N/K | 9-Nov, 01:52 |
| 3-5km N | Recorded | 2 | Projectile | W to E | N/K | 9-Nov, 01:53 |
| 3-5km N | Recorded | 2 | Projectile | W to E | N/K | 9-Nov, 01:54 |
| 3-5km N | Recorded | 1 | Projectile | W to E | N/K | 9-Nov, 01:56 |
| 3-5km N | Recorded | 1 | Projectile | W to E | N/K | 9-Nov, 01:57 |
| 3-5km N | Recorded | 4 | Projectile | W to E | N/K | 9-Nov, 02:01 |
| 3-5km N | Recorded | 3 | Projectile | W to E | N/K | 9-Nov, 02:02 |
| 3-5km N | Recorded | 1 | Projectile | W to E | N/K | 9-Nov, 02:05 |
| 3-5km N | Recorded | 1 | Projectile | W to E | N/K | 9-Nov, 02:06 |
| 3-5km N | Recorded | 1 | Projectile | W to E | N/K | 9-Nov, 02:12 |
| 3-5km N | Recorded | 1 | Projectile | W to E | N/K | 9-Nov, 02:16 |
| 3-5km N | Recorded | 1 | Projectile | W to E | N/K | 9-Nov, 02:20 |
| 3-5km N | Recorded | 1 | Projectile | SW to NE | N/K | 9-Nov, 02:26 |
| 3-5km N | Recorded | 1 | Projectile | SW to NE | N/K | 9-Nov, 02:33 |
| 3-5km N | Recorded | 1 | Projectile | SW to NE | N/K | 9-Nov, 02:35 |
| 3-5km N | Recorded | 1 | Projectile | S to N | N/K | 9-Nov, 02:35 |
| 3-5km N | Recorded | 2 | Projectile | SW to NE | N/K | 9-Nov, 02:37 |
| 3-5km N | Recorded | 2 | Projectile | SW to NE | N/K | 9-Nov, 02:38 |
| 3-5km N | Recorded | 1 | Projectile | SW to NE | N/K | 9-Nov, 02:41 |
| 3-5km N | Recorded | 1 | Projectile | WSW to ENE | N/K | 9-Nov, 02:42 |
| 3-5km N | Recorded | 1 | Projectile | WSW to ENE | N/K | 9-Nov, 02:43 |
| 3-5km N | Recorded | 1 | Projectile | WSW to ENE | N/K | 9-Nov, 02:48 |
| 3-5km N | Recorded | 2 | Explosion | Undetermined | N/K | 9-Nov, 02:48 |

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| | 3-5km N | Recorded | 1 | Projectile | WSW to ENE | N/K | 9-Nov, 02:51 |
| | 3-5km N | Recorded | 1 | Projectile | WSW to ENE | N/K | 9-Nov, 02:54 |
| | 3-5km N | Recorded | 1 | Projectile | WSW to ENE | N/K | 9-Nov, 02:57 |
| About 1km N of Avdiivka (government-controlled, 17km N of Donetsk) | 1-2km ESE | Heard | 2 | Shot | | Small arms | 9-Nov, 11:52 |
| Krasnohorivka (government-controlled, 21km W of Donetsk) | 4-6km SW | Heard | 1 | Explosion | Undetermined | N/K | 9-Nov, 10:46 |
| About 500m NW of Petrivske (non-government-controlled, 41km S of Donetsk) | 6-8km NW | Heard | 20 | Explosion | Undetermined (assessed as outside the disengagement area) | N/K | 9-Nov, 13:30-13:40 |
| | 6-8km NW | Heard | 1 | Burst | Assessed as outside the disengagement area | HMG | 9-Nov, 13:30 |
| Donetsk city centre (non-government-controlled) | 8-10km NW | Heard | 14 | Explosion | Undetermined | N/K | 9-Nov, 15:55-16:05 |
| About 2km SW of Pyshchevyk (government-controlled, 84km S of Donetsk) | 2-3km NE | Heard | 11 | Shot | | Small arms | 9-Nov, 09:34-09:47 |
| | 3-4km SSE | Heard | 7 | Explosion | Undetermined | N/K | 9-Nov, 09:34-09:47 |
| | 3-4km SSE | Heard | 1 | Shot | | Small arms | 9-Nov, 09:34-09:47 |
| | 2-4km SSE | Heard | 10 | Explosion | Undetermined | N/K | 9-Nov, 13:10-13:15 |
| | 2-4km SE | Heard | 27 | Explosion | Undetermined | N/K | 9-Nov, 12:48-12:55 |
| | 2-4km SE | Heard | Uncountable | Burst | | Small arms | 9-Nov, 12:48-12:55 |
| E part of Talakivka (government-controlled, 90km south of Donetsk) | 3-5km ESE | Heard | 3 | Burst | | HMG | 9-Nov, 11:22-11:26 |
| | 3-5km ESE | Heard | 2 | Explosion | Undetermined | N/K | 9-Nov, 11:22-11:26 |
| | 3-5km ESE | Heard | 5 | Explosion | Undetermined | N/K | 9-Nov, 11:40-11:46 |
| | 3km ESE | Heard | 19 | Shot | | Small arms | 9-Nov, 11:40-11:46 |
| | 3-5km ESE | Heard | 21 | Explosion | Undetermined | N/K | 9-Nov, 11:53-11:57 |
| | 3-5km ESE | Heard | 80 | Burst | | Small arms | 9-Nov, 11:57-12:08 |
| | 3-5km ESE | Heard | 21 | Explosion | Undetermined | N/K | 9-Nov, 11:57-12:08 |
| | 3-5km ESE | Heard | 12 | Shot | | AGL | 9-Nov, 11:57-12:08 |
| About 3km SE of Lomakyne (government-controlled, 93km S of Donetsk) | 4-6km E | Heard | 23 | Explosion | Undetermined | N/K | 9-Nov, 11:56-12:18 |
| | 4-6km E | Heard | | Shots and bursts | Uncountable | N/K | 9-Nov, 11:56-12:18 |
| | 4-6km E | Heard | 3 | Explosion | Undetermined | N/K | 9-Nov, 12:18-12:21 |
| | 2-5km ENE | Heard | 44 | Explosion | Undetermined | N/K | 9-Nov, 12:49-13:00 |
| | 2-5km ENE | Heard | 11 | Shot | | N/K | 9-Nov, 12:49-13:00 |

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| | 2-5km ENE | Heard | Uncountable | Shots and bursts | | Small arms | 9-Nov, 12:49-13:00 |
| | 3-5km ENE | Heard | 3 | Explosion | Outgoing | N/K | 9-Nov, 13:06-13:13 |
| | 3-5km ENE | Heard | 3 | Explosion | Impact | N/K | 9-Nov, 13:06-13:13 |
| | 3-5km ENE | Heard | 15 | Burst | | Small arms | 9-Nov, 13:06-13:13 |
| | 2-5km ENE | Heard | 2 | Explosion | Outgoing | N/K | 9-Nov, 13:18-13:21 |
| | 2-5km ENE | Heard | 2 | Explosion | Impact | N/K | 9-Nov, 13:18-13:21 |
| About 1.5km NE of Bohdanivka (government-controlled, 41km SW of Donetsk) | 3-5km NNW | Heard | 10 | Explosion | Undetermined (assessed as outside the Petrivske disengagement area) | N/K | 9-Nov, 13:13-13:41 |
| Svitlodarsk (government-controlled, 57km NE of Donetsk) | 4-5km S | Heard | 8 | Burst | | HMG | 8-Nov, 23:00-23:03 |
| | 4-5km S | Heard | 6 | Burst | | HMG | 8-Nov, 23:44 |
| | 4-5km SW | Heard | 6 | Explosion | Undetermined | N/K | 9-Nov, 15:50 |
| | 4-5km SW | Heard | 45 | Burst | | HMG | 9-Nov, 15:52-16:00 |
| | 4-5km SE | Heard | 2 | Explosion | Undetermined | N/K | 9-Nov, 16:02 |
| | 4-5km SW | Heard | 4 | Explosion | Undetermined | N/K | 9-Nov, 16:04 |
| | 4-5km SW | Heard | 3 | Explosion | Undetermined | N/K | 9-Nov, 16:05 |
| | 4-5km SW | Heard | 1 | Explosion | Undetermined | N/K | 9-Nov, 16:10 |
| Horlivka (non-government-controlled, 39km NE of Donetsk) | 4-5km SW | Heard | 23 | Burst | | HMG | 9-Nov, 16:16-16:21 |
| | 6-8km SW | Heard | 1 | Explosion | Undetermined | N/K | 8-Nov, 22:27 |
| | 4-6km W | Heard | 10 | Shot | 30 mm cannon | IFV (type N/K) | 8-Nov, 22:40-22:45 |
| About 6km NW of Horlivka (non-government controlled, 39km NE of Donetsk) | 4-6km W | Heard | 16 | Burst | | HMG | 8-Nov, 22:40-22:45 |
| | 3-5km NW | Heard | 1 | Explosion | Undetermined | N/K | 9-Nov, 13:06 |
| SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk) | 2-3km NW | Heard | 1 | Shot | | Small arms | 9-Nov, 13:28 |
| | 2-4km SSW | Recorded | 1 | Explosion | Undetermined | N/K | 8-Nov, 21:46 |
| | 2-4km SSW | Recorded | 1 | Projectile | NW to SE | N/K | 8-Nov, 21:50 |
| | 2-4km SSW | Recorded | 2 | Projectile | NW to SE | N/K | 8-Nov, 21:52 |
| | 2-4km SSW | Recorded | 1 | Projectile | NW to SE | N/K | 8-Nov, 21:55 |
| | 2-4km SSW | Recorded | 2 | Projectile | NNW to SSE | N/K | 8-Nov, 21:56 |
| | 2-4km SSW | Recorded | 1 | Explosion | Impact | N/K | 8-Nov, 21:56 |
| | 2-4km SSW | Recorded | 1 | Projectile | NW to SE | N/K | 8-Nov, 21:57 |
| | 2-4km SSW | Recorded | 2 | Projectile | NW to SE | N/K | 8-Nov, 21:58 |
| | 2-4km SSW | Recorded | 1 | Projectile | NW to SE | N/K | 8-Nov, 22:00 |
| | 2-4km SSW | Recorded | 4 | Projectile | NW to SE | N/K | 8-Nov, 22:02 |
| | 2-4km SSW | Recorded | 1 | Projectile | NW to SE | N/K | 8-Nov, 22:03 |
| | 2-4km SSW | Recorded | 1 | Projectile | WSW to ENE | N/K | 8-Nov, 22:05 |
| | 2-4km SSW | Recorded | 1 | Projectile | NW to SE | N/K | 8-Nov, 22:05 |
| | 2-4km SSW | Recorded | 7 | Projectile | NW to SE | N/K | 8-Nov, 22:06 |
| | 2-4km SSW | Recorded | 3 | Projectile | NW to SE | N/K | 8-Nov, 22:07 |
| | 2-4km SSW | Recorded | 1 | Projectile | ESE to WNW | N/K | 8-Nov, 22:07 |
| | 2-4km SSW | Recorded | 1 | Explosion | Undetermined | N/K | 8-Nov, 22:07 |
| | 2-4km SSW | Recorded | 2 | Explosion | Undetermined | N/K | 8-Nov, 22:08 |
| | 2-4km SSW | Recorded | 4 | Explosion | Undetermined | N/K | 8-Nov, 22:09 |
| 2-4km SSW | Recorded | 9 | Projectile | ESE to WNW | N/K | 8-Nov, 22:11 | |
| 2-4km SSW | Recorded | 4 | Projectile | ESE to WNW | N/K | 8-Nov, 22:13 | |
| 2-4km SSW | Recorded | 4 | Projectile | NW to SE | N/K | 8-Nov, 22:13 | |

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| | 2-4km SSW | Recorded | 1 | Explosion | Undetermined | N/K | 8-Nov, 22:13 |
| | 2-4km SSW | Recorded | 3 | Projectile | WNW to ESE | N/K | 8-Nov, 22:14 |
| | 2-4km SSW | Recorded | 1 | Projectile | ESE to WNW | N/K | 8-Nov, 22:15 |
| | 2-4km SSW | Recorded | 2 | Projectile | WNW to ESE | N/K | 8-Nov, 22:15 |
| | 2-4km SSW | Recorded | 1 | Projectile | ESE to WNW | N/K | 8-Nov, 22:16 |
| | 2-4km SSW | Recorded | 2 | Projectile | ESE to WNW | N/K | 8-Nov, 22:17 |
| | 2-4km SSW | Recorded | 2 | Projectile | ESE to WNW | N/K | 8-Nov, 22:18 |
| | 2-4km SSW | Recorded | 2 | Projectile | WNW to ESE | N/K | 8-Nov, 22:18 |
| | 2-4km SSW | Recorded | 5 | Projectile | WNW to ESE | N/K | 8-Nov, 22:19 |
| | 2-4km SSW | Recorded | 1 | Projectile | WNW to ESE | N/K | 8-Nov, 22:20 |
| | 2-4km SSW | Recorded | 2 | Projectile | WNW to ESE | N/K | 8-Nov, 22:23 |
| | 2-4km S | Recorded | 1 | Explosion | Undetermined | N/K | 8-Nov, 22:23 |
| | 2-4km SSW | Recorded | 1 | Projectile | WNW to ESE | N/K | 8-Nov, 22:24 |
| | 2-4km SSW | Recorded | 3 | Projectile | WNW to ESE | N/K | 8-Nov, 22:25 |
| | 2-4km SSW | Recorded | 1 | Projectile | ESE to WNW | N/K | 8-Nov, 22:27 |
| | 2-4km SSW | Recorded | 1 | Projectile | WNW to ESE | N/K | 8-Nov, 22:29 |
| | 2-4km SSW | Recorded | 1 | Explosion | Undetermined | N/K | 8-Nov, 22:30 |
| | 2-4km SSW | Recorded | 1 | Projectile | ESE to WNW | N/K | 8-Nov, 22:30 |
| | 2-4km SSW | Recorded | 1 | Projectile | NNE to SSW | N/K | 8-Nov, 22:42 |
| | 2-4km SSW | Recorded | 1 | Explosion | Undetermined | N/K | 8-Nov, 22:42 |
| | 2-4km SSW | Recorded | 2 | Projectile | NNE to SSW | N/K | 8-Nov, 22:43 |
| | 2-4km SSW | Recorded | 2 | Explosion | Undetermined | N/K | 8-Nov, 22:44 |
| | 2-4km SSW | Recorded | 1 | Projectile | NNE to SSW | N/K | 8-Nov, 22:44 |
| | 2-4km SSW | Recorded | 7 | Projectile | WNW to ESE | N/K | 8-Nov, 22:46 |
| | 2-4km SSW | Recorded | 2 | Projectile | WNW to ESE | N/K | 8-Nov, 22:54 |
| | 2-4km SSW | Recorded | 1 | Projectile | WNW to ESE | N/K | 8-Nov, 22:56 |
| | 2-4km SSW | Recorded | 2 | Projectile | WNW to ESE | N/K | 8-Nov, 23:00 |
| | 2-4km SSW | Recorded | 6 | Projectile | WNW to ESE | N/K | 8-Nov, 23:01 |
| SMM camera in Zolote (government-controlled, 60km W of Luhansk) | 2-4km ENE | Recorded | 1 | Projectile | SW to NE (assessed as outside the Zolote disengagement area) | N/K | 8-Nov, 20:54 |
| | 3-5km NNE | Recorded | 1 | Explosion | Assessed as outside the Zolote disengagement area | N/K | 8-Nov, 21:39 |
| 4km SW of Almazna (non-government-controlled, 55km W of Luhansk) | 6-8km SW | Heard | 1 | Explosion | Undetermined | N/K | 9-Nov, 09:35-09:36 |
| SMM camera in Chermalyk (government-controlled, 77km S of Donetsk) | 2-3km SE | Recorded | 1 | Explosion | Airburst | N/K | 9-Nov, 17:23 |
| | 2-3km SE | Recorded | 1 | Projectile | SW to NE | N/K | 9-Nov, 17:43 |
| | 2-3km SE | Recorded | 1 | Explosion | Airburst, subsequent to previous event | N/K | 9-Nov, 17:43 |
| | 2-3km SSE | Recorded | 1 | Projectile | NE to SW | N/K | 9-Nov, 18:22 |
| | 2-3km SSE | Recorded | 1 | Projectile | NE to SW | N/K | 9-Nov, 18:35 |
| | 2-4km SSE | Recorded | 1 | Explosion | Undetermined | N/K | 9-Nov, 19:43 |
| | 2-4km SSE | Recorded | 1 | Projectile | ENE to WSW | N/K | 9-Nov, 20:57 |
| | 4-5km SSE | Recorded | 1 | explosion | Undetermined | N/K | 9-Nov, 21:23 |
| | 4-5km SSE | Recorded | 1 | Projectile | S to N | N/K | 9-Nov, 21:23 |
| | 6-8km SSE | Recorded | 1 | Explosion | Undetermined (also recorded by the SMM camera in Pyshevyk) | N/K | 9-Nov, 21:34 |
| | 6-8km SSE | Recorded | 1 | Explosion | Undetermined (also recorded by the SMM | N/K | 9-Nov, 21:47 |

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| | | | | | camera in Pyshevyk) | | |
| | 6-8km SSE | Recorded | 2 | Explosion | Undetermined(Also recorded by the SMM camera in Pyshevyk) | N/K | 9-Nov, 21:51 |
| | 4-5km SE | Recorded | 1 | Projectile | SW to NE | N/K | 9-Nov, 22:50 |
| | 2-4km SE | Recorded | 1 | Projectile | NE to SW | N/K | 9-Nov, 23:39 |
| | 2-4km SE | Recorded | 1 | Projectile | NE to SW | N/K | 9-Nov, 23:40 |
| | 2-4km SE | Recorded | 1 | Projectile | NE to SW | N/K | 10-Nov, 01:16 |
| | 1-3km SSE | Recorded | 1 | Projectile | WNW to ESE | N/K | 10-Nov, 16:55 |
| | 1-3km SE | Recorded | 16 | Projectile | NNE to SSW | N/K | 10-Nov, 17:31 |
| SMM camera at Donetsk Filtration Station (15km N of Donetsk) | 800m SSW | Recorded | 3 | Projectile | WNW to ESE | N/K | 9-Nov, 21:33 |
| | 300-800m S | Recorded | 1 | Projectile | NNE to SSW | N/K | 10-Nov, 00:56 |
| | 0.5-1km S | Recorded | 1 | Explosion | Undetermined | N/K | 10-Nov, 01:54 |
| | 0.5-1km SSE | Recorded | 1 | Explosion | Undetermined | N/K | 10-Nov, 02:14 |
| | 0.5-1km S | Recorded | 1 | Explosion | Outgoing | N/K | 10-Nov, 02:26 |
| | 0.5-1km S | Recorded | 1 | Projectile | NW to SE | N/K | 10-Nov, 02:26 |
| | 0.5-1km SSE | Recorded | 1 | Explosion | Undetermined | N/K | 10-Nov, 02:34 |
| | 0.5-1km SSW | Recorded | 3 | Projectile | NNW to SSE | N/K | 10-Nov, 02:41 |
| | 0.5-1km SSE | Recorded | 2 | Explosion | Undetermined | N/K | 10-Nov, 03:38 |
| | 0.5-1km S | Recorded | 2 | Explosion | Undetermined | N/K | 10-Nov, 03:59 |
| | 0.5-1km SSE | Recorded | 3 | Explosion | Undetermined | N/K | 10-Nov, 03:59 |
| | 0.5-1km S | Recorded | 1 | Projectile | W to E | N/K | 10-Nov, 03:59 |
| | 0.5-1km S | Recorded | 1 | Explosion | Outgoing | N/K | 10-Nov, 03:59 |
| | 0.8-1.5km SSW | Recorded | 4 | Projectile | WNW to ESE | N/K | 10-Nov, 04:27 |
| | 0.5-1km SSE | Recorded | 1 | Explosion | Undetermined | N/K | 10-Nov, 05:17 |
| | 0.5-1km SSE | Recorded | 1 | Explosion | Undetermined | N/K | 10-Nov, 05:19 |
| | 1-2km SSW | Recorded | 1 | Explosion | | N/K | 10-Nov, 05:24 |
| SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk) | 3-5km ESE | Recorded | 1 | Muzzle flash | | N/K | 10-Nov, 00:46 |
| | 3-5km ESE | Recorded | 1 | Projectile | SW to NE | N/K | 10-Nov, 00:46 |
| | 3-5km ESE | Recorded | 1 | Explosion | Impact | N/K | 10-Nov, 00:46 |
| SMM camera in Hranitne (government-controlled, 60km S of Donetsk) | 2-4km E | Recorded | 5 | Projectile | NW to SE | N/K | 9-Nov, 22:27 |
| | 2-4km E | Recorded | 1 | Projectile | NW to SE | N/K | 9-Nov, 22:31 |
| SMM camera E of Lomakyne (government-controlled, 90km S of Donetsk) | 2-4km ENE | Recorded | 1 | Explosion | Undetermined | N/K | 9-Nov, 22:27 |
| | 2-4km ENE | Recorded | 1 | Projectile | SW to NE | N/K | 9-Nov, 22:27 |
| | 2-4km E | Recorded | 1 | Muzzle flash | Also recorded by the SMM camera in Shyrokyne | N/K | 9-Nov, 22:41 |
| | 2-4km E | Recorded | 1 | Explosion | Undetermined, Also recorded by Shyrokyne camera | N/K | 9-Nov, 22:41 |
| | 2-4km E | Recorded | 1 | Explosion | Undetermined, Also recorded by the SMM camera in Shyrokyne | N/K | 9-Nov, 22:42 |
| | 2-4km E | Recorded | 1 | Projectile | SW to NE | N/K | 9-Nov, 22:42 |
| SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk) | 2-4km ENE | Recorded | 2 | Projectile | N to S | N/K | 9-Nov, 21:55 |
| | 2-4km ENE | Recorded | 1 | Projectile | NNW to SSE | N/K | 9-Nov, 22:18 |
| | 2-4km ENE | Recorded | 1 | Illumination flare | NE to SW | N/K | 9-Nov, 22:21 |
| | 2-4km ENE | Recorded | 1 | Projectile | NNW to SSE | N/K | 9-Nov, 23:33 |
| | 3-5km ENE | Recorded | 1 | Projectile | NW to SE | N/K | 10-Nov, 03:08 |
| | 2-4km ENE | Recorded | 1 | Projectile | N to S | N/K | 10-Nov, 03:32 |
| | 2-4km NNE | Recorded | 1 | Explosion | Undetermined | N/K | 9-Nov, 20:52 |

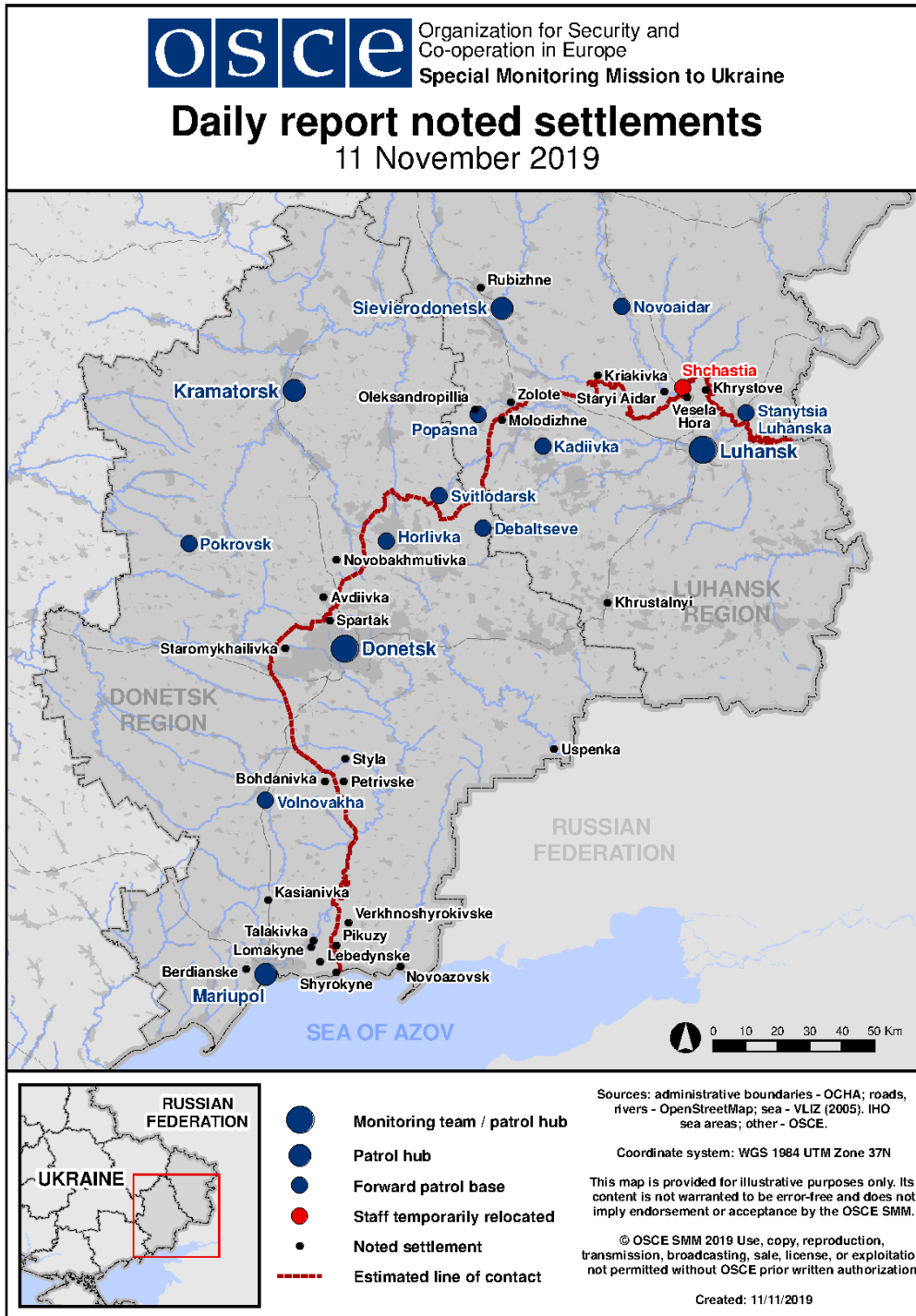
| | | | | | | | |
|----------------------------------------------------------------------------------------------|-----------|----------|----|--------------|-----------------------------------------|-----|--------------|
| SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk) | 2-4km NNE | Recorded | 1 | Explosion | Undetermined | N/K | 9-Nov, 21:12 |
| | 2-4km NNE | Recorded | 1 | Explosion | Undetermined | N/K | 9-Nov, 21:18 |
| SMM camera at entry-exit checkpoint in Pyshchevyk (government-controlled, 84km S of Donetsk) | 3-5km ESE | Recorded | 1 | Explosion | Undetermined | N/K | 9-Nov, 20:17 |
| | 3-5km ESE | Recorded | 1 | Explosion | Undetermined | N/K | 9-Nov, 20:29 |
| | 3-5km ENE | Recorded | 2 | Explosion | Undetermined | N/K | 9-Nov, 20:31 |
| | 3-5km ESE | Recorded | 1 | Explosion | Undetermined | N/K | 9-Nov, 20:36 |
| | 3-5km ESE | Recorded | 4 | Projectile | SW to NE | N/K | 9-Nov, 20:36 |
| | 3-5km ESE | Recorded | 1 | Projectile | N to S | N/K | 9-Nov, 20:36 |
| | 3-5km ESE | Recorded | 10 | Projectile | SW to NE | N/K | 9-Nov, 20:37 |
| | 3-5km ENE | Recorded | 1 | Explosion | Undetermined | N/K | 9-Nov, 20:37 |
| | 3-5km ESE | Recorded | 3 | Projectile | SW to NE | N/K | 9-Nov, 20:38 |
| | 3-5km ESE | Recorded | 2 | Projectile | SW to NE | N/K | 9-Nov, 20:44 |
| | 3-5km ENE | Recorded | 1 | Projectile | SW to NE | N/K | 9-Nov, 21:00 |
| | 3-5km ENE | Recorded | 1 | Explosion | Impact | N/K | 9-Nov, 21:00 |
| | 3-5km ENE | Recorded | 2 | Projectile | W to E | N/K | 9-Nov, 21:01 |
| | 3-5km ENE | Recorded | 2 | Explosion | Undetermined | N/K | 9-Nov, 21:13 |
| | 3-5km E | Recorded | 2 | Projectile | N to S | N/K | 9-Nov, 21:34 |
| | 3-5km ENE | Recorded | 2 | explosion | Undetermined | N/K | 9-Nov, 21:51 |
| | 3-5km ESE | Recorded | 8 | Projectile | NNW to SSE | N/K | 9-Nov, 23:09 |
| SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk) | 3-5km N | Recorded | 1 | Projectile | W to E | N/K | 9-Nov, 17:31 |
| | 3-5km N | Recorded | 1 | Explosion | Undetermined | N/K | 9-Nov, 17:31 |
| | 3-5km N | Recorded | 2 | Projectile | E to W | N/K | 9-Nov, 17:36 |
| | 3-5km N | Recorded | 1 | Projectile | W to E | N/K | 9-Nov, 17:43 |
| | 3-5km N | Recorded | 1 | Explosion | Airburst, subsequent to previous event | N/K | 9-Nov, 17:43 |
| | 3-5km N | Recorded | 8 | Projectile | E to W | N/K | 9-Nov, 18:42 |
| | 3-5km NNE | Recorded | 2 | Muzzle flash | | N/K | 9-Nov, 18:42 |
| | 3-5km N | Recorded | 5 | Projectile | E to W | N/K | 9-Nov, 18:43 |
| | 3-5km N | Recorded | 9 | Projectile | E to W | N/K | 9-Nov, 18:44 |
| | 3-5km N | Recorded | 3 | Projectile | E to W | N/K | 9-Nov, 18:45 |
| | 3-5km N | Recorded | 2 | Projectile | E to W | N/K | 9-Nov, 18:46 |
| | 3-5km N | Recorded | 4 | Explosion | Undetermined | N/K | 9-Nov, 18:54 |
| | 3-5km N | Recorded | 7 | Explosion | Undetermined | N/K | 9-Nov, 18:55 |
| | 3-5km N | Recorded | 1 | Projectile | W to E | N/K | 9-Nov, 18:55 |
| | 3-5km N | Recorded | 1 | Explosion | Undetermined | N/K | 9-Nov, 18:58 |
| | 3-5km NNE | Recorded | 1 | Projectile | W to E | N/K | 9-Nov, 19:07 |
| | 3-5km N | Recorded | 3 | Projectile | E to W | N/K | 9-Nov, 19:11 |
| | 3-5km N | Recorded | 29 | Projectile | E to W | N/K | 9-Nov, 19:14 |
| | 3-5km N | Recorded | 9 | Projectile | E to W | N/K | 9-Nov, 19:15 |
| | 3-5km N | Recorded | 2 | Projectile | E to W | N/K | 9-Nov, 19:16 |
| | 3-5km N | Recorded | 9 | Projectile | W to E | N/K | 9-Nov, 19:17 |
| | 3-5km N | Recorded | 15 | Projectile | E to W | N/K | 9-Nov, 19:17 |
| | 3-5km N | Recorded | 3 | Explosion | Undetermined | N/K | 9-Nov, 19:17 |
| | 3-5km N | Recorded | 9 | Projectile | W to E | N/K | 9-Nov, 19:19 |
| | 3-5km N | Recorded | 1 | Explosion | Undetermined | N/K | 9-Nov, 19:19 |
| | 3-5km N | Recorded | 1 | Projectile | SSW to NNE | N/K | 9-Nov, 19:22 |
| | 3-5km N | Recorded | 1 | Muzzle flash | | N/K | 9-Nov, 19:22 |
| | 3-5km N | Recorded | 1 | Projectile | SW to NE (subsequent to previous event) | N/K | 9-Nov, 19:22 |
| | 3-5km N | Recorded | 1 | Explosion | Undetermined | N/K | 9-Nov, 19:29 |
| | 3-5km NNE | Recorded | 3 | Projectile | W to E | N/K | 9-Nov, 19:31 |
| | 3-5km N | Recorded | 1 | Explosion | Undetermined | N/K | 9-Nov, 19:43 |
| | 3-5km N | Recorded | 2 | Explosion | Undetermined | N/K | 9-Nov, 19:44 |
| | 3-5km N | Recorded | 4 | Projectile | W to E | N/K | 9-Nov, 19:44 |
| | 3-5km N | Recorded | 1 | Projectile | E to W | N/K | 9-Nov, 19:44 |
| | 3-5km N | Recorded | 1 | Explosion | Undetermined | N/K | 9-Nov, 19:45 |
| | 3-5km N | Recorded | 1 | Projectile | SW to NE | N/K | 9-Nov, 19:47 |

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|---------------------------------------------------------------------------------------------------|-----------|----------|----|------------|-------------------------------------------------------------------|------------|---------------|
| | 3-5km N | Recorded | 1 | Explosion | Undetermined | N/K | 9-Nov, 19:47 |
| | 3-5km N | Recorded | 1 | Explosion | Undetermined | N/K | 9-Nov, 19:52 |
| | 6-8km N | Recorded | 1 | Explosion | Undetermined | N/K | 9-Nov, 20:24 |
| | 6-8km NNE | Recorded | 2 | Explosion | Undetermined | N/K | 9-Nov, 20:25 |
| | 3-5km NNE | Recorded | 16 | Projectile | W to E | N/K | 9-Nov, 20:31 |
| | 3-5km NNE | Recorded | 3 | Projectile | W to E | N/K | 9-Nov, 20:33 |
| | 3-5km NNE | Recorded | 1 | Projectile | W to E | N/K | 9-Nov, 20:47 |
| | 3-5km NNE | Recorded | 3 | Projectile | W to E | N/K | 9-Nov, 21:14 |
| | 2-4km E | Recorded | 1 | Projectile | SW to NE | N/K | 9-Nov, 22:41 |
| | 3-5km N | Recorded | 7 | Explosion | Undetermined | N/K | 10-Nov, 16:55 |
| | 3-5km N | Recorded | 7 | Explosion | Undetermined | N/K | 10-Nov, 16:56 |
| | 3-5km N | Recorded | 2 | Projectile | W to E | N/K | 10-Nov, 17:08 |
| | 3-5km N | Recorded | 2 | Explosion | Undetermined | N/K | 10-Nov, 17:08 |
| | 3-5km N | Recorded | 2 | Explosion | Undetermined | N/K | 10-Nov, 17:10 |
| | 3-5km N | Recorded | 7 | Explosion | Undetermined | N/K | 10-Nov, 17:11 |
| | 3-5km NNE | Recorded | 2 | Projectile | W to E | N/K | 10-Nov, 17:18 |
| | 3-5km N | Recorded | 4 | Projectile | W to E | N/K | 10-Nov, 17:22 |
| | 3-5km N | Recorded | 1 | Explosion | Undetermined | N/K | 10-Nov, 17:22 |
| | 3-5km N | Recorded | 4 | Projectile | W to E | N/K | 10-Nov, 17:24 |
| | 3-5km N | Recorded | 1 | Explosion | Undetermined | N/K | 10-Nov, 17:24 |
| | 3-5km N | Recorded | 2 | Projectile | W to E | N/K | 10-Nov, 17:30 |
| | 3-5km N | Recorded | 3 | Projectile | SW to NE | N/K | 10-Nov, 17:31 |
| | 3-5km N | Recorded | 15 | Projectile | W to E | N/K | 10-Nov, 17:37 |
| | 3-5km N | Recorded | 10 | Projectile | E to W | N/K | 10-Nov, 17:38 |
| | 3-5km N | Recorded | 2 | Projectile | W to E | N/K | 10-Nov, 17:39 |
| | 3-5km N | Recorded | 3 | Projectile | W to E | N/K | 10-Nov, 17:40 |
| | 3-5km N | Recorded | 1 | Projectile | Undetermined | N/K | 10-Nov, 17:40 |
| | 3-5km N | Recorded | 3 | Projectile | W to E | N/K | 10-Nov, 17:42 |
| | 3-5km N | Recorded | 1 | Projectile | SW to NE | N/K | 10-Nov, 17:43 |
| | 3-5km N | Recorded | 1 | Explosion | Undetermined | N/K | 10-Nov, 17:46 |
| | 3-5km N | Recorded | 2 | Projectile | W to E | N/K | 10-Nov, 17:47 |
| | 3-5km N | Recorded | 1 | Explosion | Undetermined | N/K | 10-Nov, 17:47 |
| | 3-5km N | Recorded | 2 | Projectile | W to E | N/K | 10-Nov, 17:50 |
| | 3-5km N | Recorded | 3 | Projectile | W to E | N/K | 10-Nov, 17:52 |
| | 3-5km N | Recorded | 8 | Projectile | SW to NE | N/K | 10-Nov, 17:53 |
| | 3-5km N | Recorded | 6 | Projectile | W to E | N/K | 10-Nov, 17:54 |
| About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk) | 2-3km SW | Heard | 1 | Explosion | Undetermined | N/K | 10-Nov, 12:40 |
| | 2-3km SW | Heard | 1 | Explosion | Undetermined | N/K | 10-Nov, 13:23 |
| About 2km E of Avdiivka (government-controlled, 17km N of Donetsk) | 1-2km E | Heard | 2 | Shot | | Small arms | 10-Nov, 11:32 |
| W edge of Petrivske (non-government-controlled, 41km S of Donetsk) | 1km SSW | Heard | 6 | Shot | Assessed as inside the disengagement area | Small arms | 10-Nov, 08:55 |
| About 2km N of Petrivske (non-government-controlled, 41km S of Donetsk) | 1-2km SW | Heard | 10 | Shot | Unable to assess whether inside or outside the disengagement area | Small arms | 10-Nov, 12:02 |
| | 3-5km W | Heard | 3 | Explosion | Undetermined (assessed as outside the disengagement area) | N/K | 10-Nov, 12:47 |
| | 1-2km SSE | Heard | 1 | Shot | Assessed as outside the | Small arms | 10-Nov, 14:00 |

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| | | | | | disengagement area | | |
| About 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk) | 2-3km SE | Heard | 6 | Shot | Assessed as inside the Petrivske disengagement area | Small arms | 10-Nov, 07:57 |
| E edge of Lebedynske (government-controlled, 99km S of Donetsk) | 2-3km NE | Heard | 3 | Shot | | Small arms | 10-Nov, 10:03 |
| | 1-2km E | Heard | 6 | Shot | | Small arms | 10-Nov, 10:11 |
| | 1-2km E | Heard | 1 | Shot | | Small arms | 10-Nov, 10:17 |
| | 1-2km SE | Heard | 1 | Shot | | Small arms | 10-Nov, 10:36 |
| Berdianske (government-controlled, 103km S of Donetsk) | 1-2km ENE | Heard | 60 | Burst | | HMG | 10-Nov, 11:08-11:13 |
| | 2km NE | Heard | 3 | Shot | | IFV (BMP-2, 30mm) | 10-Nov, 11:18 |
| | 1-2km ESE | Heard | 70 | Shot | | Small arms | 10-Nov, 11:23-11:26 |
| | 600-800m ENE | Heard | 25 | Burst | | HMG | 10-Nov, 11:28-11:33 |
| | 1-2km ENE | Heard | 65 | Shot | | Small arms | 10-Nov, 11:45-11:51 |
| | 1-2km NE | Heard | 2 | Shot | | Small arms | 10-Nov, 11:58 |
| Orlivske (government-controlled, 82km S of Donetsk) | 6-8km SE | Heard | 2 | Explosion | Undetermined | N/K | 10-Nov, 13:27 |
| Verkhnotoretske (government-controlled, 23km NE of Donetsk) | 3-4km S | Heard | 1 | Explosion | Undetermined | N/K | 10-Nov, 11:47 |
| Novobakhmutivka (government-controlled, 28km N of Donetsk) | 4-5km NE | Heard | 5 | Explosion | Undetermined | N/K | 10-Nov, 13:30-13:34 |
| Svitlodarsk (government-controlled, 57km NE of Donetsk) | 3-4km SE | Heard | 3 | Burst | | HMG | 10-Nov, 15:10 |
| | 4-5km SE | Heard | 2 | Explosion | Undetermined | N/K | 10-Nov, 16:12 |
| | 2-3km SE | Heard | 1 | Explosion | Undetermined | N/K | 10-Nov, 16:22 |
| | 4-5km SE | Heard | 2 | Explosion | Undetermined | N/K | 10-Nov, 16:30 |
| N edge of Popasna (government-controlled, 69km W of Luhansk) | 5-10km SE | Heard | 45 | Explosion | Undetermined (assessed as outside the Zolote disengagement area) | N/K | 9-Nov, 21:30-22:30 |
| | 5-10km SE | Heard | 25 | Burst | Assessed as outside the Zolote disengagement area | HMG | 9-Nov, 21:30-22:30 |
| | 5-10km SE | Heard | 43 | Burst | Assessed as outside the Zolote disengagement area | Small arms | 9-Nov, 21:30-22:30 |
| | 5-10km SE | Heard | 35 | Shot | Assessed as outside the Zolote disengagement area | Small arms | 9-Nov, 21:30-22:30 |

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| | 7-10km S | Heard | 6 | Explosion | Undetermined | N/K | 10-Nov, 16:20-16:25 |
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Map of Donetsk and Luhansk regions¹⁰



¹⁰ The SMM is deployed to ten locations throughout Ukraine – Kherson, Odessa, Lviv, Ivano-Frankivsk, Kharkiv, Donetsk, Dnipro, Chernivtsi, Luhansk and Kyiv – as per Permanent Council Decision 1117 of 21 March 2014. This map of eastern Ukraine is meant for illustrative purposes and indicates locations mentioned in the report, as well as those where the SMM has offices (monitoring teams, patrol hubs, and forward patrol bases) in Donetsk and Luhansk regions. (In red: a forward patrol base from which SMM staff has temporarily relocated based on recommendations of security experts from participating States as well as SMM security considerations. The SMM uses the premises during daylight hours and patrols in this settlement during daylight hours, as well).