

# Daily Report 263/2021

9 November 2021<sup>1</sup>

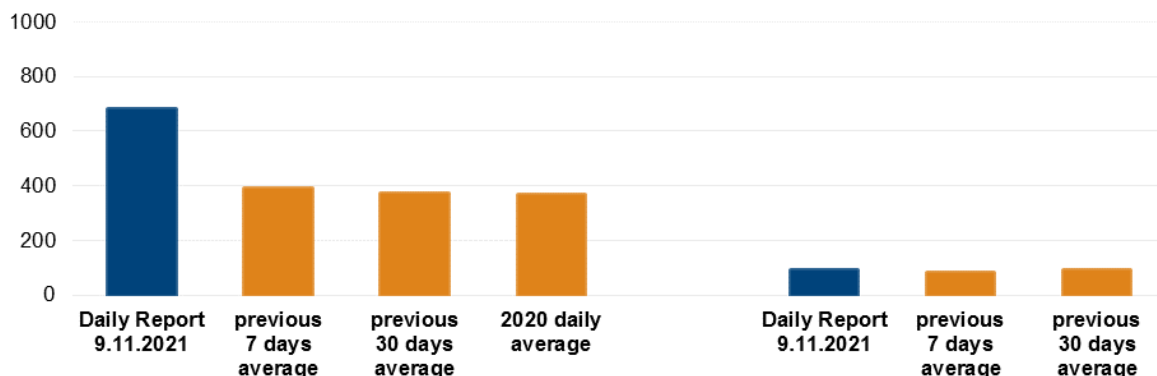
## Summary

- In Donetsk region, the SMM recorded 565 ceasefire violations, including 71 explosions. In the previous 24 hours, it recorded 314 ceasefire violations in the region.
- In Luhansk region, the Mission recorded 114 ceasefire violations, including 21 explosions. In the previous 24 hours, it recorded 98 ceasefire violations in the region.
- The SMM conducted an assessment of its damaged camera system near government-controlled Hranitne, Donetsk region.
- The Mission continued monitoring the disengagement areas near Stanytsia Luhanska, Zolote and Petrivske. It recorded ceasefire violations inside the disengagement areas near Zolote and Petrivske and observed people inside the latter area.
- The SMM observed recent craters near government-controlled Bolotene, Luhansk region.
- The SMM facilitated and monitored adherence to localized ceasefires to enable the operation and repair of critical civilian infrastructure.
- The Mission continued following up on the situation of civilians, including at four entry-exit checkpoints and four corresponding checkpoints of the armed formations in Donetsk and Luhansk regions.
- The SMM's freedom of movement continued to be restricted, including at a checkpoint of the armed formations in Staromykhailivka, Donetsk region. Its UAVs again experienced instances of probable jamming.\*

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

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

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



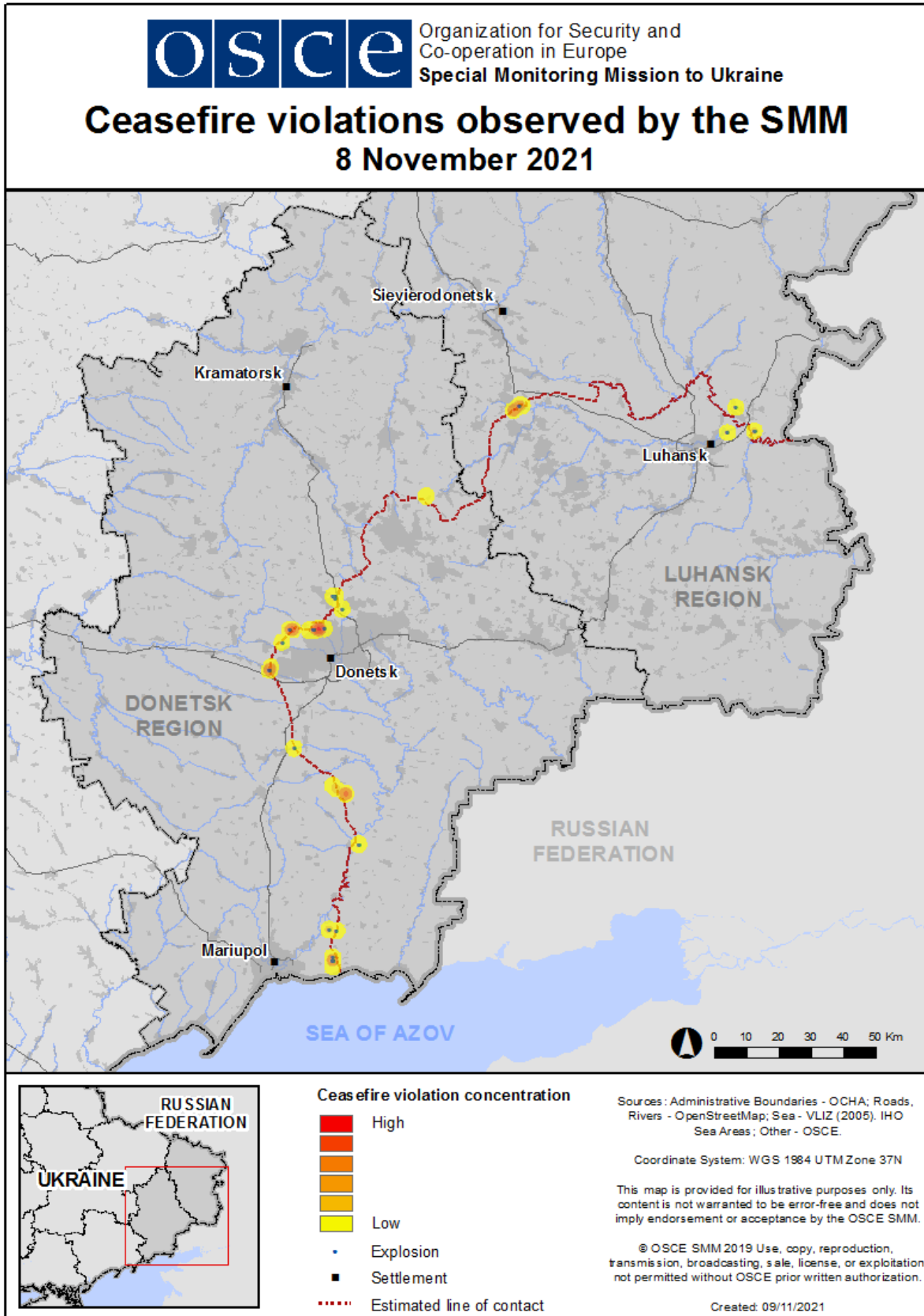
<sup>1</sup> Based on information from the Monitoring Teams as of 19:30, 8 November 2021. All times are in Eastern European Time.

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

<sup>3</sup> Including explosions.

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

### Map of recorded ceasefire violations



In Donetsk region, the SMM recorded 565 ceasefire violations, including 71 explosions (30 airbursts, one impacts and 40 undetermined). The majority of ceasefire violations occurred in areas north-west of the railway station in Donetsk city (non-government-controlled, 6km north-west of Donetsk city centre), west of Oktiabr mine (non-government-controlled, 9km north-west of Donetsk city centre) and inside, south and south-east of the disengagement area near Petrivske (non-government-controlled, 41km south of Donetsk) (see below). In the [previous 24 hours](#), the Mission recorded 314 ceasefire violations in the region.

In Luhansk region, the SMM recorded 114 ceasefire violations, including 21 undetermined explosions. All ceasefire violations occurred in areas inside and north-east of the disengagement area near Zolote (government-controlled, 60km west of Luhansk) (see below) as well as near the disengagement area near Stanytsia Luhanska (government-controlled, 16km north-east of Luhansk) (see below). In the [previous 24 hours](#), the Mission recorded 98 ceasefire violations in the region.

Following agreement reached at the meeting of the Trilateral Contact Group on 22 July 2020 regarding Measures to strengthen the ceasefire, from 00:01 on 27 July 2020 until the end of the reporting period, the SMM has recorded at least 74,763 ceasefire violations in both Donetsk and Luhansk regions (including 20,007 explosions, 16,650 projectiles in flight, 357 muzzle flashes, 318 illumination flares and at least 37,431 bursts and shots).

#### **The SMM conducted an assessment of its damaged camera system near government-controlled Hranitne, Donetsk region**

On 5 November, the SMM conducted a more detailed impact site assessment of its damaged camera system near Hranitne (government-controlled, 60km south of Donetsk), initially reported in Spot Report 24/2021 of 2 November. The SMM saw evidence that an explosion had occurred on the ground 15cm from the fenced corner perimeter and approximately 1m from the trailer of the SMM camera. The SMM noted that the site had already been tampered with. It was not possible for the SMM to draw any conclusions about what weapon system caused the damage and whether or not the SMM was deliberately targeted.

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

During the day of 7 November, while north of the **disengagement area near Stanytsia Luhanska**, the Mission heard 18 explosions at assessed ranges of 5-10km south-south-east and south-west, assessed as outside the area but within 5km of its periphery.

On the evening of the same day, the SMM camera at Prince Ihor Monument south-east of the Stanytsia Luhanska bridge (15km north-east of Luhansk) recorded one undetermined explosion at an assessed range of 6-8km north-north-west, assessed as outside the area, but within 5km of its periphery.

Also on 7 November, inside the disengagement area, the SMM saw four members of the armed formations (wearing armbands with “JCCC” written on them) south of the repaired span of the Stanytsia Luhanska bridge.

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

On 6 November, inside the disengagement area, at two locations about 650m south of its northern edge, an SMM mini-unmanned aerial vehicle (UAV) spotted two craters: one 15m and one 40m west of road T-1316. The SMM assessed the craters as recent and caused by probable 120mm mortar rounds. (For previous observations of craters in the same area, see [SMM Daily Report of 6 November 2021](#).)

During the night of 7-8 November, the SMM camera in Zolote recorded seven projectiles at an assessed range of 2-4km east-south-east, unable to be assessed as inside or outside the area, as well as two undetermined explosions and 31 projectiles, all assessed as outside the area but within 5km of its periphery.

On the day of 8 November, while positioned on the area's northern edge, the Mission heard 55 bursts of small-arms fire at an assessed range of 1-1.5km east-south-east, assessed as inside the disengagement area.

On the same day, near the checkpoint of the armed formations south of the disengagement area, the SMM saw seven members of the armed formations (wearing armbands with "JCCC" written on them). The Mission again saw the seven previously observed containers located south of the area's southern edge and inside the disengagement area. It saw that the [previously reported](#) road barriers across road T-1316, on the area's southern edge, continued to be closed.

Also on the same day, while positioned inside the disengagement area, about 450m north of its southern edge, the Mission observed three [previously reported](#) boxes placed across road T-1316, assessed as ammunition boxes. It also [again](#) saw another metal box assessed as an ammunition box on the western edge of the road, about 70m south-south-east of the railway bridge and 1km south of the area's northern edge.

On the evening of 7 November, the SMM camera 2km east of Bohdanivka (government-controlled, 41km south-west of Donetsk) recorded 12 projectiles in flight at an assessed range of 2-4km east-south, unable to be assessed as inside or outside the **disengagement area near Petrivske**.

During the day of 8 November, while positioned at two locations near the area, the Mission heard three bursts of small-arms fire at an assessed range of 1-2km south-east, assessed as inside the disengagement area, as well as 74 bursts and shots of heavy-machine-gun and small-arms fire at an assessed range of 3-5km south-south-east, assessed as outside the disengagement area, but within 5km of its periphery.

During the day on 7 November, inside the disengagement area, an SMM long-range UAV spotted five people near former positions of the armed formations near the area's south-eastern corner.<sup>6</sup>

## **Withdrawal of weapons**

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

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<sup>6</sup> Operational flights of long-range UAVs have been temporarily suspended since 29 June. However, the Mission has been conducting operational test flights.

In violation of withdrawal lines, in Donetsk region, the SMM spotted one howitzer in a government-controlled area and six multiple launch rocket systems in a non-government-controlled area.

Beyond withdrawal lines but outside designated storage sites, the Mission observed 11 tanks, 12 probable howitzers, six multiple launch rocket systems and three towed anti-tank guns, all in government-controlled areas of Donetsk region, including at a railway station. (For further information, see the tables below.)

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

The SMM observed one armoured reconnaissance vehicle in government- and two trench diggers in non-government-controlled areas of Luhansk region. (For further information, see the table below.)

### **Recent craters in government-controlled Bolotene, Luhansk region**

On 7 November, at 30 Uliany Hromovoi Street in Bolotene (government-controlled, 22km north-east of Luhansk), 5m north of the north-facing wall of a two-story uninhabited residential house, the SMM saw one fresh impact crater in soft ground, assessed as caused by a projectile from an unknown weapon assessed as fired from a southerly direction.

About 150m further east on the same street, and about 8m north of the north-facing wall of a non-operational water filtration station, the SMM saw two impact craters: one on the road and one on the road's northern shoulder. The SMM assessed both craters as fresh and the first one as caused by a probable 82mm mortar round and the second one by a projectile from an unknown weapon also assessed as fired from a southerly direction. About 40m west-south-west of these two craters, inside the yard of the water filtration station, the SMM saw one fresh impact crater. The Mission was unable to assess the weapon used or the direction of fire.

### **Presence of anti-tank mines near Dolomitne, Donetsk region**

On 5 November, on the northern outskirts of Dolomitne (53km north-east of Donetsk), an SMM mini-UAV spotted 20 previously reported anti-tank mines laid across a local road, assessed as belonging to the armed formations. (For previous observations in the area, see [SMM Daily Report of 17 April 2021](#).)

### **SMM facilitation of operation and repair of critical civilian infrastructure**

The Mission continued to facilitate the operation of the Donetsk Filtration Station (DFS) (15km north of Donetsk). While positioned at two locations near the DFS, the SMM heard four undetermined explosions, assessed as inside a 5km radius of the DFS.

The Mission also monitored adherence to a localized ceasefire to enable electrical repair works in Staromykhailivka (non-government-controlled, 15km west of Donetsk).

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

In Donetsk region, the SMM observed 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 open, with civilian traffic passing through in both directions.

In Luhansk region, the SMM observed that the EECP near Stanytsia Luhanska and the corresponding checkpoint of the armed formations south of the Stanytsia Luhanska bridge were open and saw people queueing to travel in both directions at the latter checkpoint.

The Mission noted that the EECPs near Zolote and Shchastia (government-controlled, 20km north of Luhansk) were open, but that the corresponding checkpoints of the armed formations south of the disengagement area near Zolote and 3km south-east of the bridge in Shchastia were closed.

At the EECP near Zolote, the SMM observed a six soldiers of the Ukrainian Armed Forces operate a crane loading concrete blocks onto a truck, reportedly as part of renovation works at the EECP.

The Mission continued monitoring in Odessa, Lviv, Ivano-Frankivsk, Kharkiv, Dnipro, Chernivtsi, Kherson 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, unexploded ordnance (UXO) and other impediments – which vary from day to day. The SMM's mandate provides for safe and secure access throughout Ukraine. All signatories of the Minsk agreements have agreed on the need for this safe and secure access, that restriction of the SMM's freedom of movement constitutes a violation, and on the need for rapid response to these violations. They have also agreed that the Joint Centre for Control and Co-ordination (JCCC) should contribute to such response and co-ordinate mine clearance. Nonetheless, the armed formations in parts of Donetsk and Luhansk regions frequently deny the SMM access to areas adjacent to Ukraine's border outside control of the government (for example, see [SMM Daily Report of 8 November 2021](#)). 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:

- While at a checkpoint in Staromykhailivka (non-government-controlled, 15km west of Donetsk), a member of the armed formations allowed the SMM passage west towards the settlement only after 20 minutes of waiting, citing "the SMM's safety". While at the checkpoint, the Mission saw civilian traffic passing through.

Other impediments:<sup>7</sup>

- SMM mini-UAVs experienced GPS signal interference, assessed as caused by probable jamming, during three flights: twice while flying over areas near Holmivskiyi (non-government-controlled, 49km north-east of Donetsk) and once while flying over areas near Zaitseve (50km north-east of Donetsk).
- While the SMM was conducting an announced mini-UAV flight in the north-eastern part of Holmivskiyi, two visibly armed members of the armed formations asked the SMM to end the mini-UAV flight. The SMM ended the flight, safely recovered the UAV, and left the area.

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<sup>7</sup> For cases of probable jamming and jamming mentioned in this section, the interference could have originated from anywhere within the radius of tens of kilometres from the UAVs' positions.

## Table of weapons

### Weapons in violation of withdrawal lines

| Date                                   | No. of weapons | Type of weapon  | Location   | Source of observation |
|--|----------------|---|--|-----------------------|
| <b>Government-controlled areas</b>     |                |   |  |                       |
| 7/11/2021                              | 1              | Self-propelled howitzer (2S19 <i>Msta-S</i> , 152mm)      | Near Druzhba (45km north-east of Donetsk)        | Long-range UAV        |
| <b>Non-government-controlled areas</b> |                |   |  |                       |
| 5/11/2021                              | 6              | Multiple launch rocket system (BM-21 <i>Grad</i> , 122mm) | Near Nyzhnia Krynka (31km north-east of Donetsk) | Mini-UAV              |

### Weapons beyond withdrawal lines but outside designated storage sites

| Date                               | No. of weapons | Type of weapon  | Location  | Source of observation |
|------------------------------------|----------------|---|---|-----------------------|
| <b>Government-controlled areas</b> |                |   |   |                       |
| 5/11/2021                          | 3              | Towed anti-tank gun (MT-12 <i>Rapira</i> , 100mm)         | In a compound near Kalynove (65km south-west of Donetsk)                              | Mini-UAV              |
| 7/11/2021                          | 6              | Multiple launch rocket system (BM-21 <i>Grad</i> , 122mm) | At a railway station in Pokrovsk (formerly Krasnoarmiisk, 55km north-west of Donetsk) | Long-range UAV        |
|                                    | 12             | Probable towed howitzer (D-30A <i>Lyagushka</i> , 122mm)  |   |                       |
|                                    | 11             | Tank (types undetermined)                                 |   |                       |

### **Table of military and military-type presence in the security zone<sup>8</sup>**

| Date                                   | No. | Type                                     | Location                               | Source of observation |
|--|-----|--|--|-----------------------|
| <b>Government-controlled areas</b>     |     |  |  |                       |
| 8/11/2021                              | 1   | Armoured reconnaissance vehicle (BRDM-2) | Near Shchastia (20km north of Luhansk) | Patrol                |
| <b>Non-government-controlled areas</b> |     |  |  |                       |
| 5/11/2021                              | 2   | Trench digger (one MDK-3 and one TMK-2)  | Near Stepove (27km west of Luhansk)    | Mini-UAV              |

<sup>8</sup> 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 8 November 2021<sup>9</sup>**

| SMM position   | Event location | Means    | No.        | Observation                                  | Description   | Weapon       | Date, time   |
|--|----------------|----------|------------|--|---|--------------|--------------|
| SMM camera 2km E of Bohdaniivka (government-controlled, 41km SW of Donetsk)                | 2-4km SE       | Recorded | 5          | Projectile                                   | SW to NE<br>(unable to assess if inside or outside the disengagement area near Petrivske) | N/K          | 7-Nov, 20:36 |
|  | 2-4km SE       | Recorded | 7          | Projectile                                   | SW to NE<br>(unable to assess if inside or outside the disengagement area near Petrivske) | N/K          | 7-Nov, 20:37 |
| SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)                  | 3-5km ESE      | Recorded | 1          | Explosion                                    | Undetermined  | N/K          | 7-Nov, 23:23 |
| SMM camera in Hranitne (government-controlled, 60km S of Donetsk)                          | 2-4km E        | Recorded | 1          | Explosion                                    | Undetermined  | N/K          | 7-Nov, 22:20 |
|  | 2-4km E        | Recorded | 2          | Explosion                                    | Undetermined  | N/K          | 7-Nov, 22:21 |
| SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk) | 1-3km NNE      | Recorded | 1          | Explosion                                    | Undetermined  | N/K          | 7-Nov, 19:30 |
|  | 1-3km NNE      | Recorded | 4          | Projectile                                   | ESE to WNW  | N/K          | 7-Nov, 20:17 |
|  | 1-3km NNE      | Recorded | 4          | Projectile                                   | ESE to WNW  | N/K          | 7-Nov, 20:21 |
|  | 1-3km NNE      | Recorded | 1          | Projectile                                   | ESE to WNW  | N/K          | 7-Nov, 22:48 |
|  | 1-3km NNE      | Recorded | 4          | Projectile                                   | ESE to WNW  | N/K          | 7-Nov, 22:49 |
|  | 1-3km NNE      | Recorded | 6          | Projectile                                   | ESE to WNW  | N/K          | 7-Nov, 22:50 |
|  | 1-3km NNE      | Recorded | 2          | Projectile                                   | ESE to WNW  | N/K          | 7-Nov, 23:01 |
|  | 1-3km NNE      | Recorded | 20         | Projectile                                   | ESE to WNW  | N/K          | 7-Nov, 23:06 |
|  | 1-3km NNE      | Recorded | 1          | Explosion                                    | Airburst  | N/K          | 8-Nov, 00:55 |
|  | 1-3km NNE      | Recorded | 10         | Projectile                                   | ESE to WNW  | N/K          | 8-Nov, 00:55 |
|  | 1-3km NNE      | Recorded | 3          | Projectile                                   | ESE to WNW  | N/K          | 8-Nov, 01:08 |
|  | 2-4km NNE      | Recorded | 1          | Projectile                                   | ESE to WNW  | N/K          | 8-Nov, 01:09 |
|  | 2-4km NNE      | Recorded | 5          | Projectile                                   | ESE to WNW  | N/K          | 8-Nov, 01:10 |
|  | 2-4km NNE      | Recorded | 2          | Projectile                                   | ESE to WNW  | N/K          | 8-Nov, 01:12 |
|  | 2-4km NNE      | Recorded | 6          | Projectile                                   | ESE to WNW  | N/K          | 8-Nov, 01:13 |
|  | 2-4km NNE      | Recorded | 1          | Projectile                                   | ESE to WNW  | N/K          | 8-Nov, 01:14 |
|  | 2-4km NNE      | Recorded | 2          | Projectile                                   | ESE to WNW  | N/K          | 8-Nov, 01:15 |
| SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk)                  | 0.8-1.5km W    | Recorded | 1          | Illumination flare                           | S to N  | N/K          | 7-Nov, 19:59 |
|  | 0.1-0.3km W    | Recorded | 2          | Illumination flare                           | S to N  | N/K          | 7-Nov, 20:33 |
|  | 0.3-0.5km W    | Recorded | 2          | Explosion                                    | Undetermined  | N/K          | 7-Nov, 20:34 |
|  | 0.3-0.5km W    | Recorded | 1          | Projectile                                   | NE to SW  | N/K          | 7-Nov, 20:54 |
|  | 0.3-0.5km W    | Recorded | 1          | Projectile                                   | NE to SW  | N/K          | 7-Nov, 20:57 |
|  | 0.3-0.5km W    | Recorded | 3          | Explosion                                    | Undetermined  | N/K          | 7-Nov, 21:03 |
|  | 0.3-0.5km W    | Recorded | 2          | Explosion                                    | Undetermined  | N/K          | 7-Nov, 21:14 |
|  | 1-3km W        | Recorded | 1          | Muzzle flash                                 |   | N/K          | 8-Nov, 17:05 |
| 1-3km W  | Recorded       | 1        | Projectile | NNE to SSW<br>(subsequent to previous event) | N/K   | 8-Nov, 17:05 |              |

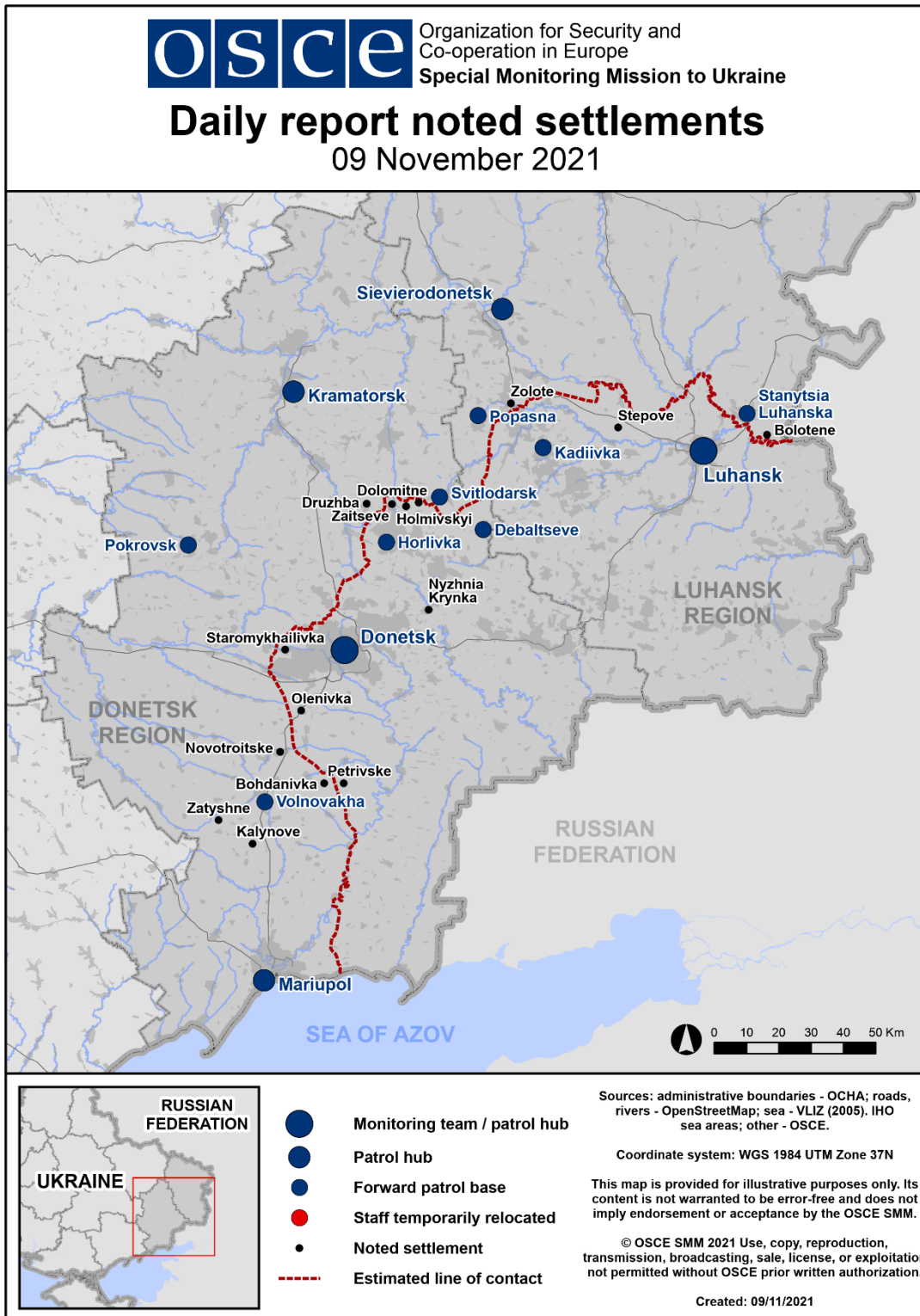
<sup>9</sup> The table only includes ceasefire violations directly observed by SMM patrols or recorded by the SMM cameras, and it may include those also assessed to be live-fire exercises, controlled detonations, etc. Details provided – in terms of distance, direction, weapons-type, etc. – are based on assessments provided by monitors on the ground and technical monitoring officers, and are not always necessarily precise. When information is not known (indicated with an “N/K”), the SMM was unable to ascertain such information due to distance, weather conditions technical limitations and/or other considerations. Ceasefire violations recorded by more than one patrol/camera and assessed to be the same are entered only once.

|   |           |          |     |                    |  |            |                    |
|---|-----------|----------|-----|--------------------|--|------------|--------------------|
|   | 6-8km W   | Recorded | 70  | Projectile         | W to E (also recorded by the SMM camera in Avdiivka) | N/K        | 7-Nov, 20:47       |
|   | 7-9km W   | Recorded | 26  | Explosion          | Airburst   | N/K        | 7-Nov, 20:47       |
| SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)            | 5-7km N   | Recorded | 1   | Projectile         | ESE to WNW   | N/K        | 7-Nov, 19:07       |
|   | 4-6km N   | Recorded | 1   | Muzzle flash       |  | N/K        | 7-Nov, 19:08       |
|   | 4-6km N   | Recorded | 1   | Projectile         | E to W (subsequent to previous event)                | N/K        | 7-Nov, 19:08       |
|   | 4-6km N   | Recorded | 1   | Explosion          | Impact (subsequent to previous event)                | N/K        | 7-Nov, 19:08       |
|   | 4-6km N   | Recorded | 1   | Projectile         | ESE to WNW   | N/K        | 7-Nov, 19:09       |
|   | 4-6km N   | Recorded | 1   | Explosion          | Undetermined   | N/K        | 7-Nov, 19:10       |
|   | 4-6km N   | Recorded | 2   | Explosion          | Undetermined   | N/K        | 7-Nov, 19:43       |
|   | 4-6km N   | Recorded | 1   | Projectile         | SE to NW   | N/K        | 7-Nov, 19:44       |
|   | 4-6km N   | Recorded | 1   | Explosion          | Undetermined   | N/K        | 7-Nov, 19:45       |
|   | 4-6km N   | Recorded | 1   | Explosion          | Airburst   | N/K        | 7-Nov, 19:45       |
|   | 4-6km N   | Recorded | 1   | Projectile         | In vertical flight                                   | N/K        | 7-Nov, 19:56       |
|   | 4-6km N   | Recorded | 3   | Projectile         | W to E   | N/K        | 7-Nov, 19:57       |
|   | 4-6km N   | Recorded | 2   | Explosion          | Undetermined   | N/K        | 7-Nov, 21:18       |
|   | 4-6km N   | Recorded | 1   | Projectile         | WSW to ENE   | N/K        | 7-Nov, 21:20       |
|   | 4-6km N   | Recorded | 4   | Projectile         | ESE to WNW   | N/K        | 7-Nov, 22:32       |
|   | 4-6km N   | Recorded | 9   | Projectile         | ESE to WNW   | N/K        | 7-Nov, 22:33       |
|   | 5-7km N   | Recorded | 2   | Explosion          | Airburst   | N/K        | 7-Nov, 23:23       |
|   | 4-6km N   | Recorded | 3   | Projectile         | W to E   | N/K        | 8-Nov, 00:52       |
|   | 4-6km N   | Recorded | 3   | Projectile         | ESE to WNW   | N/K        | 8-Nov, 01:38       |
|   | 4-6km N   | Recorded | 1   | Muzzle flash       |  | N/K        | 8-Nov, 01:39       |
|   | 4-6km N   | Recorded | 1   | Projectile         | ESE to WNW (subsequent to previous event)            | N/K        | 8-Nov, 01:39       |
|   | 4-6km N   | Recorded | 4   | Projectile         | W to E   | N/K        | 8-Nov, 03:00       |
|   | 4-6km N   | Recorded | 1   | Projectile         | W to E   | N/K        | 8-Nov, 03:45       |
|   | 4-6km N   | Recorded | 3   | Projectile         | ESE to WNW   | N/K        | 8-Nov, 04:08       |
|   | 2-4km N   | Recorded | 1   | Projectile         | ESE to WNW   | N/K        | 8-Nov, 17:03       |
|   | 2-4km N   | Recorded | 1   | Illumination flare | In vertical flight                                   | N/K        | 8-Nov, 17:03       |
| SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)                 | 3-5km W   | Recorded | 2   | Projectile         | SSE to NNW   | N/K        | 7-Nov, 20:59       |
| Donetsk city centre (non-government-controlled)                                       | 8-10km NW | Heard    | 4   | Explosion          | Undetermined   | N/K        | 8-Nov, 06:53-07:11 |
| Railway station in Donetsk (non-government-controlled, 6km NW of Donetsk city centre) | 2km NW    | Heard    | 175 | Shots and bursts   |  | HMG        | 8-Nov, 09:27-09:37 |
|   | 2km NW    | Heard    | 7   | Burst              |  | HMG        | 8-Nov, 09:27-09:37 |
|   | 2km NW    | Heard    | 30  | Shots and bursts   |  | HMG        | 8-Nov, 09:46       |
|   | 2km NW    | Heard    | 5   | Shot               |  | HMG        | 8-Nov, 10:04       |
|   | 2km NW    | Heard    | 1   | Burst              |  | HMG        | 8-Nov, 10:04       |
| Kashtanove (non-government-controlled, 13km N of Donetsk)                             | 1-2km SW  | Heard    | 1   | Explosion          | Undetermined   | N/K        | 8-Nov, 10:20       |
|   | 4-5km NW  | Heard    | 1   | Explosion          | Undetermined   | N/K        | 8-Nov, 10:39       |
| Petrivske (non-government-controlled, 41km S of Donetsk)                              | 3-5km SSE | Heard    | 70  | Shot               | Assessed as outside the disengagement area           | Small arms | 8-Nov, 11:30-11:40 |
|   | 3-5km SSE | Heard    | 4   | Burst              | Assessed as outside the disengagement area           | HMG        | 8-Nov, 11:30-11:40 |

|   |           |          |    |            |   |            |                    |
|---|-----------|----------|----|------------|---|------------|--------------------|
| Staromykhailivka (non-government-controlled, 15km W of Donetsk)                         | 2km NNW   | Heard    | 1  | Explosion  | Undetermined  | N/K        | 8-Nov, 12:05       |
| Dokuchaievsk (non-government-controlled, 30km SW of Donetsk)                            | 4-6km SW  | Heard    | 2  | Explosion  | Undetermined  | N/K        | 8-Nov, 13:20       |
| SE edge of Avdiivka (government-controlled, 17km N of Donetsk)                          | 2-3km NNE | Heard    | 1  | Explosion  | Undetermined (inside 5km radius DFS)  | N/K        | 8-Nov, 10:11       |
|   | 2-3km NE  | Heard    | 1  | Explosion  | Undetermined (inside 5km radius DFS)  | N/K        | 8-Nov, 10:21       |
| Orlivske (government-controlled, 82km S of Donetsk)                                     | 4-6km SE  | Heard    | 11 | Explosion  | Undetermined  | N/K        | 8-Nov, 11:45-11:55 |
| About 2km E of Bohdaniivka (government-controlled, 41km SW of Donetsk)                  | 1-2km SE  | Heard    | 3  | Burst      | Assessed as inside the disengagement area near Petrivske                          | Small arms | 8-Nov, 12:40       |
| SMM camera at Prince Ihor Monument SE of Stanytsia Luhanska bridge (15km NE of Luhansk) | 6-8km NNW | Recorded | 1  | Explosion  | Undetermined (assessed as outside the disengagement area near Stanytsia Luhanska) | N/K        | 7-Nov, 20:36       |
| SMM camera in Zolote (government-controlled, 60km W of Luhansk)                         | 4-6km E   | Recorded | 8  | Projectile | SSW to NNE (assessed as outside the disengagement area)                           | N/K        | 7-Nov, 21:35       |
|   | 3-5km E   | Recorded | 2  | Explosion  | Undetermined (assessed as outside the disengagement area)                         | N/K        | 7-Nov, 21:43       |
|   | 3-5km E   | Recorded | 1  | Projectile | W to E (assessed as outside the disengagement area)                               | N/K        | 7-Nov, 22:35       |
|   | 3-5km E   | Recorded | 1  | Projectile | SW to NE (assessed as outside the disengagement area)                             | N/K        | 7-Nov, 22:35       |
|   | 3-5km E   | Recorded | 1  | Projectile | WSW to ENE (assessed as outside the disengagement area)                           | N/K        | 7-Nov, 22:35       |
|   | 3-5km E   | Recorded | 4  | Projectile | SW to NE (assessed as outside the disengagement area)                             | N/K        | 7-Nov, 23:15       |
|   | 3-5km E   | Recorded | 5  | Projectile | SW to NE (assessed as outside the disengagement area)                             | N/K        | 7-Nov, 23:42       |
|   | 3-5km E   | Recorded | 1  | Projectile | WNW to ESE (assessed as outside the disengagement area)                           | N/K        | 7-Nov, 23:43       |

|  |             |          |    |            |  |            |                    |
|--|-------------|----------|----|------------|--|------------|--------------------|
|  | 3-5km E     | Recorded | 1  | Projectile | NNW to SSE<br>(assessed as outside the disengagement area)                   | N/K        | 7-Nov, 23:43       |
|  | 2-4km ESE   | Recorded | 1  | Projectile | NNW to SSE<br>(unable to assess if inside or outside the disengagement area) | N/K        | 8-Nov, 02:42       |
|  | 2-4km ESE   | Recorded | 6  | Projectile | NNW to SSE<br>(unable to assess if inside or outside the disengagement area) | N/K        | 8-Nov, 02:59       |
|  | 3-5km E     | Recorded | 8  | Projectile | SW to NE<br>(assessed as outside the disengagement area)                     | N/K        | 8-Nov, 03:03       |
|  | 3-5km E     | Recorded | 1  | Projectile | W to E (assessed as outside the disengagement area)                          | N/K        | 8-Nov, 03:03       |
| Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)                         | 5-7km SSE   | Heard    | 3  | Explosion  | Undetermined<br>(assessed as outside the disengagement area)                 | Other      | 7-Nov, 17:54-17:57 |
|  | 5-7km SSE   | Heard    | 7  | Explosion  | Undetermined<br>(assessed as outside the disengagement area)                 | Other      | 7-Nov, 18:10-18:12 |
|  | 7-10km SW   | Heard    | 8  | Explosion  | Undetermined<br>(assessed as outside the disengagement area)                 | Other      | 7-Nov, 18:21-18:22 |
| N edge of disengagement area near Zolote (government-controlled, 60km west of Luhansk) | 1-1.5km ESE | Heard    | 55 | Burst      | Assessed as inside the disengagement area                                    | Small arms | 8-Nov, 12:30-12:40 |

### Map of Donetsk and Luhansk regions<sup>10</sup>



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