

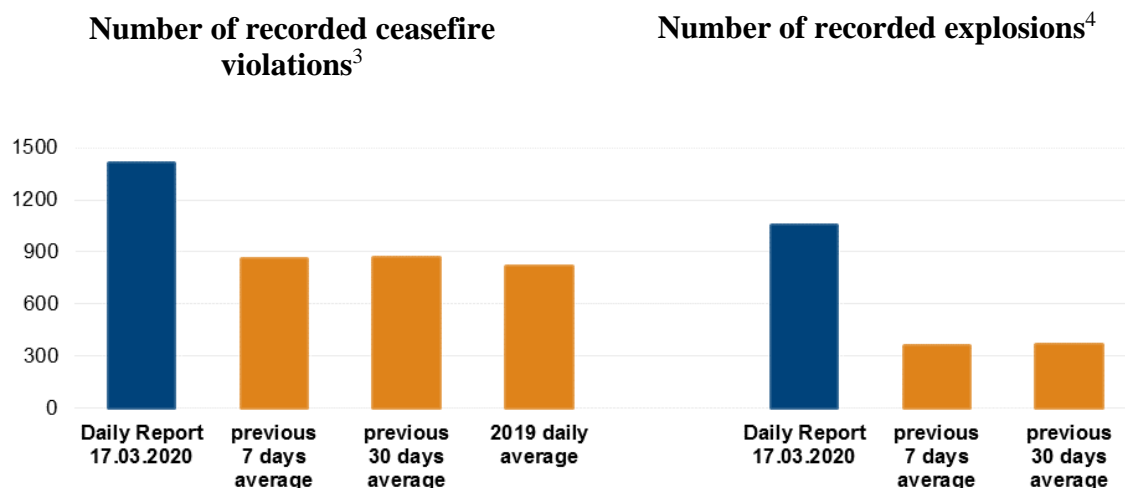
# Daily Report 64/2020

17 March 2020<sup>1</sup>

## Summary

- Compared with the previous 24 hours, the SMM recorded fewer ceasefire violations in Donetsk region and more in Luhansk region, including over 900 explosions in areas east and north-east of Zolote.
- Small-arms fire was assessed as directed at an SMM mini-unmanned aerial vehicle which was flying over areas near Krychnychne, Luhansk region.
- The Mission continued monitoring the disengagement areas near Stanytsia Luhanska, Zolote and Petrivske; it recorded ceasefire violations, including explosions, assessed as inside the disengagement area near Petrivske.
- The Mission observed measures related to the COVID-19 outbreak at entry-exit checkpoints in both Donetsk and Luhansk regions.
- It facilitated and monitored adherence to localized ceasefires to enable demining activities near Krasnyi Yar and repairs to water pipelines in Zaitseve.
- Members of the armed formations continued to restrict the Mission's freedom of movement in Donetsk city and at checkpoints in southern Donetsk region, including near Verkhnohshyrokiivske, Nova Marivka, and Staromarivka.\*

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



<sup>1</sup> Based on information from the Monitoring Teams as of 19:30, 16 March 2020. All times are in Eastern European Time.

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

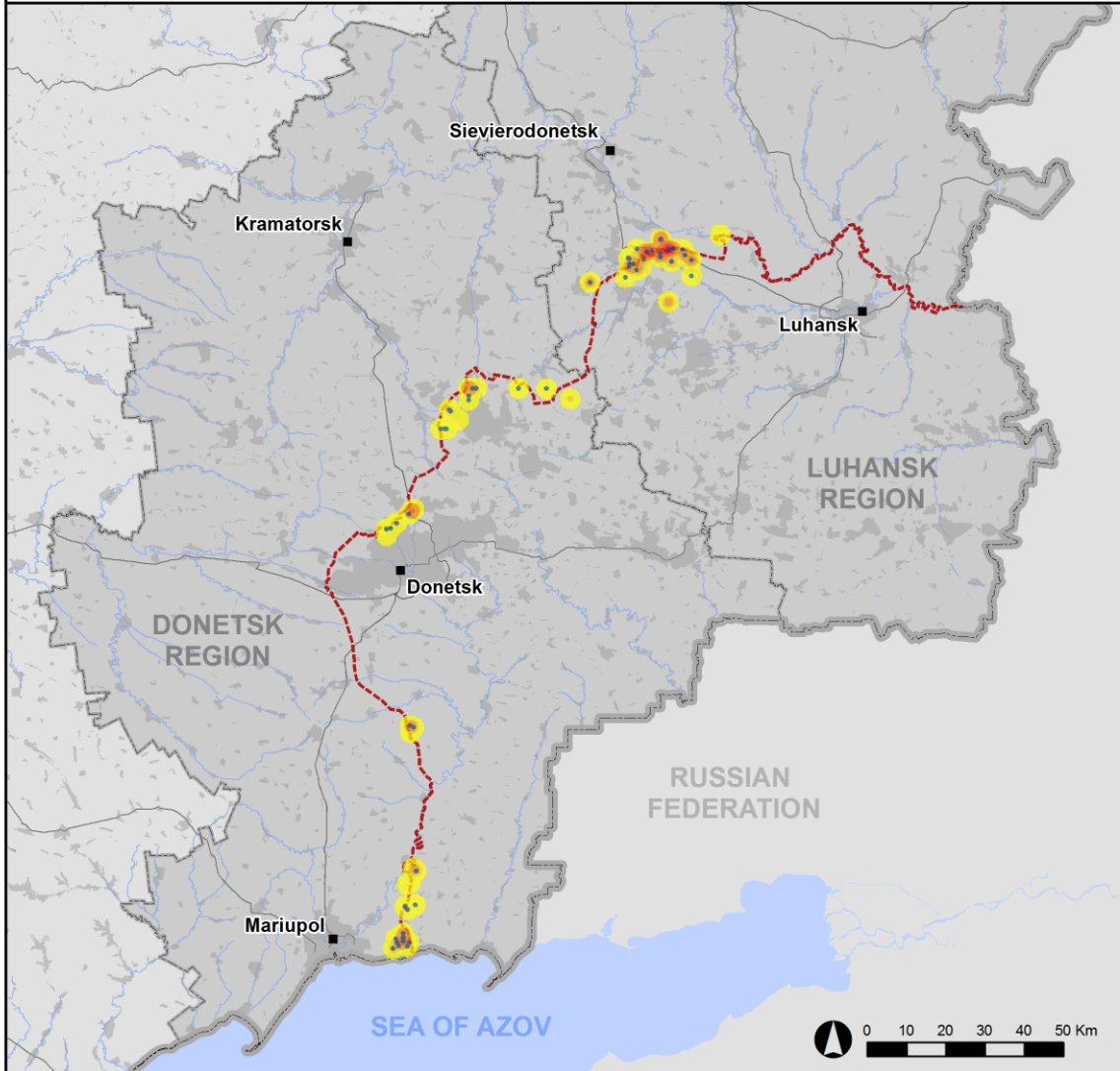
<sup>3</sup> Including explosions.

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

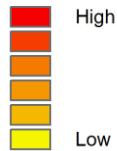
### Map of recorded ceasefire violations

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

## Ceasefire violations observed by the SMM 16 March 2020



#### Ceasefire violation concentration



- Explosion
- Settlement
- ..... Estimated line of contact

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

Coordinate System: WGS 1984 UTM Zone 37N

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

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Created: 17/03/2020

In Donetsk region, the SMM recorded fewer ceasefire violations, including fewer explosions (about 120), compared with the [previous 24 hours](#) (about 175 explosions). The majority of ceasefire violations were recorded at northerly directions of Shyrokyne (government-controlled, 100km south of Donetsk), in areas south-west of Yasyunvata (non-government-controlled, 16km north-east of Donetsk) and east of Maiorsk (government-controlled, 45km north-east of Donetsk).

In Luhansk region, the SMM recorded more than a seven-fold increase in the number of ceasefire violations, including more than ten times the number of explosions (about 940), compared with the [previous 24 hours](#) (about 90 explosions). The majority of ceasefire violations, including explosions, were recorded in areas east of Novotoshkivske (government-controlled, 53km west of Luhansk), including 47 explosions assessed as impacts, east and north-east of Zolote (government-controlled, 60km west of Luhansk), including 20 explosions assessed as impacts, and in northerly directions of Holubivske (non-government-controlled, 51km west of Luhansk).

### Small-arms fire assessed as directed at SMM mini-UAV near Krynychne

Positioned about 2km north-west of Krynychne (non-government-controlled, 45km west of Luhansk), while conducting a mini-unmanned aerial vehicle (UAV) flight, the SMM heard 20 shots of small-arms fire at a range of 1-2km south-south-west, assessed as directed at the UAV, which was flying about 1.5km south-south-west. The SMM safely landed its UAV and left the area.\*

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

On 14 March, outside the **disengagement area near Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk), an SMM mini-UAV [again](#) spotted an anti-aircraft gun (ZU-23, 23mm) near the Prince Ihor Monument, about 1km south-east of Stanytsia Luhanska bridge (15km north-east of Luhansk). On 16 March, the Mission saw six members of the armed formations (wearing armbands with “JCCC” written on them) between the new span of the Stanytsia Luhanska bridge and their checkpoint south of it.

On the evening of 15 March, the SMM camera in Zolote recorded 24 undetermined explosions, nine projectiles in flight, and four muzzle flashes at an assessed range of 3-6km east and east-north-east, assessed as outside the **disengagement area near Zolote** but within 5km of its periphery. On 16 March, while positioned in four locations, the SMM heard about 210 undetermined explosions and 20 assessed as impacts, as well as 40 bursts of heavy-machine-gun fire, all assessed as outside the disengagement area but within 5km of its periphery. Throughout the day, the SMM saw two members of the armed formations (wearing armbands with “JCCC” written on them) on the southern edge of the disengagement area.

On the evening of 15 March, the SMM camera 2km east of Bohdanivka (government-controlled, 41km south-west of Donetsk) recorded 18 projectiles in flight and three explosions, assessed as impacts, all at a range of 2-4km east-south-east and assessed as inside the **disengagement area near Petrivske** (non-government-controlled, 41km south of Donetsk). It also recorded four projectiles and an explosion assessed as an impact at a range of 3-5km east-south-east, which were unable to be assessed as inside or outside of the

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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.

disengagement area, as well as three projectiles in flight at a range of 3-5km south-east which were assessed as outside of the disengagement area but within 5km of its periphery.

### **Recent impacts and unexploded ordnance (UXO) near Vesela Hora and mines and UXO near Luhanske and Sanzharivka**

At a checkpoint of the armed formations about 3km east of Vesela Hora (non-government-controlled, 16km north of Luhansk), the SMM saw three craters on the edge of the road and in an adjacent field, assessed as recent and caused by impacts of (120mm) mortar rounds, as well as the tailfin of a (120mm) mortar round embedded in one of the craters, also assessed as recent.

On 15 March, an SMM mid-range UAV spotted for the first time 40 anti-tank mines laid in two rows in a field about 1km south of Luhanske (government-controlled, 59km north-east of Donetsk), which could not be assessed as recent, assessed as belonging to the Ukrainian Armed Forces.

The same UAV spotted an anti-tank missile pack, assessed as UXO, lying near positions of the armed formations about 2km west of Sanzharivka (non-government-controlled, 67km north-east of Donetsk).

### **Withdrawal of weapons**

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

The Mission saw 19 weapons beyond withdrawal lines but outside of designated storage sites in government-controlled areas (for further details, see the table below).

### **Indications of military and military-type presence in the security zone<sup>6</sup>**

The Mission observed armoured combat vehicles and an anti-aircraft gun in the security zone on both sides of the contact line (for further details, see the table below).

On 1 March, aerial imagery available to the SMM revealed the presence of two new trenches about 3km and 6km south of Troitske (government-controlled, 69km west of Luhansk), running for about 150m and 100m, respectively (not seen in imagery from 21 November 2019).

On 13 March, an SMM mini-UAV spotted two members of the armed formations with shovels in previously-reported trenches in the area of a pumping station south-west of Naberezhne (non-government-controlled, 77km south of Donetsk), as well as an extension to a trench, running for about 190m north-west (not seen in imagery from 2 November 2019). Near the trenches, the UAV spotted about 20 craters, six of which were assessed as recent and caused by probable (82mm) mortar rounds. About 1km west of the trenches, the same UAV spotted nine craters adjacent to previously-reported trenches, assessed as caused by deliberate detonation to facilitate an extension of the trenches. Nearby, it also spotted at least eight recent impact craters, assessed as caused by probable (82mm) mortar rounds.

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

About 4km north-east of Pavlopil (government-controlled, 84km south of Donetsk) and near forward positions of the Ukrainian Armed Forces, the same UAV spotted at least four recent impact craters, assessed as caused by probable (82mm) mortar rounds.

### **Situation of civilians and preventive measures against COVID-19 outbreak at entry-exit checkpoints**

On 16 March, about 20m south of the entry-exit checkpoint (EECP) near Stanytsia Luhanska, the SMM saw a new wooden barrier across the roadway and police officers checking documents. It also saw that neither the shuttle bus nor golf carts between the Stanytsia Luhanska bridge and the EECP were operating. A Ukrainian Armed Forces officer of the Joint Centre for Control and Co-ordination (JCCC) told the SMM that they would not operate until 3 April 2020, until which time traffic at the EECP would be restricted to entry only for those with permanent registration in government-controlled areas, and exit only for those who reside in non-government-controlled areas.

At the EECPs near Stanytsia Luhanska and Hnutove (government-controlled, 90km south of Donetsk), ten people (majority women, in their thirties through sixties) told the SMM that the new restrictions had prevented them from crossing the contact line to visit family members, attend a funeral, collect their pensions, or return to their residence, which may not necessarily be the place where they are permanently registered.

### **SMM facilitation of demining activities and repairs to critical civilian infrastructure**

The SMM facilitated and monitored adherence to localized ceasefires to facilitate repair works to water pipelines in Zaitseve (50km north-east of Donetsk) and demining activities on a road leading east from Krasnyi Yar (non-government-controlled, 12km north-east of Luhansk). While along the aforementioned road, the SMM saw ten deminers arrive with metal detectors and equipment. The SMM continued to facilitate the operation of the DFS.

### **Border areas outside government control**

While at a border crossing point near Novoazovsk (102km south-east of Donetsk) for 30 minutes, the SMM saw eight cars (one with Ukrainian, three with Russian Federation, and one with Polish licence plates, as well as three with “DPR” plates) entering Ukraine, as well as six cars (one with Ukrainian and three with Russian Federation licence plates, as well as two with “DPR” plates) and four covered cargo trucks (one with Ukrainian licence plates and three with “DPR” plates) exiting Ukraine.

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

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

*The SMM’s monitoring and freedom of movement are restricted by security hazards and threats, including risks posed by mines, 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 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 16 March 2020](#)). The SMM's operations in Donetsk and Luhansk regions remain restricted following [the fatal incident of 23 April 2017 near Pryshyb](#); these restrictions continued to limit the Mission's observations.

Denials of access:

- In non-government-controlled Donetsk city, a member of the armed formations [again](#) denied the SMM access to its regular observation post at the central railway station, citing "orders from superiors."
- At a checkpoint west of Verkhnohyrokiivske (formerly Oktiabr, non-government-controlled, 85km south of Donetsk), four members of the armed formations (three visibly armed) [again](#) denied the SMM passage, citing "an ongoing operation."
- At a checkpoint about 2km east of Nova Marivka (non-government-controlled, 64km south of Donetsk), a member of the armed formations denied the SMM passage to the settlement, citing "an ongoing operation and engineering activities in the area."
- At a checkpoint east of Staromarivka (62km south of Donetsk), an armed member of the armed formations denied the SMM passage to the settlement, citing "sniper activity in the area." While present, the SMM saw a civilian car pass through the checkpoint, leaving the settlement.

*Regular restrictions related to disengagement areas and mines/UXO:*

- The sides continued to deny the SMM full access, as well as the ability to travel certain roads previously identified as important for effective monitoring by the Mission and for civilians' movement, through failure to conduct comprehensive clearance of mines, UXO and other obstacles.

Other impediments:

- While conducting a mini-UAV flight near Krynychne (non-government-controlled, 45km west of Luhansk), the SMM heard small-arms fire assessed as directed at the UAV, which it landed safely (see above).
- An SMM mini-UAV experienced signal interference, assessed as caused by probable jamming, while flying over areas near Lebedynske (government-controlled, 99km south of Donetsk).<sup>7</sup>

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<sup>7</sup> The interference could have originated from anywhere within the radius of kilometres from the UAVs' positions.



## Table of 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>				
16/03/2020	4	Anti-tank gun (MT-12 Rapira, 100mm)	At the railway station in Druzhkivka (72km north of Donetsk)	Patrol
	2	Surface-to-air missile system (9K35 <i>Strela-10</i> )		
	7	Tank (T-64)	At the railway station in Kostiantynivka (60km north of Donetsk)	
	3	Mortar (type undetermined)	Loaded on trucks heading south-east near Oleksiievo-Druzhkivka (66km north of Donetsk)	
	3	Tank (T-72)	At the railway station in Rubizhne (84km north-west of Luhansk)	

## 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>				
01/03/2020	1	Armoured combat vehicle	Near Troitske (69km west of Luhansk)	Aerial imagery
16/03/2020	1	Armoured personnel carrier (BTR-70)	About 3km west of Raihorodka (34km north-west of Luhansk)	Patrol
	2	Infantry fighting vehicle (BTR-4)	In a residential area of Orlivka (22km north-west of Donetsk)	
	2	Armoured personnel carrier (BTR-70)	Near Novobakhmutivka (28km north of Donetsk)	
	1	Armoured reconnaissance vehicle (BRDM-2)	Near Kamianka (20km north of Donetsk)	
<b>Non-government-controlled areas</b>				
14/03/2020	1	Anti-aircraft gun (ZU-23, 23mm)	Near the SMM camera at Prince Ihor Monument, south-east of Stanytsia Luhanska bridge (15km north-east 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 16 March 2020<sup>9</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	3-5km ESE	Recorded	1	Projectile	SSW to NNE (unable to assess whether inside or outside the disengagement area near Petrivske)	N/K	15-Mar, 21:20
	2-4km ESE	Recorded	1	Projectile	SSW to NNE	N/K	15-Mar, 21:22
	2-4km ESE	Recorded	1	Explosion	Impact (subsequent to previous event, assessed as inside the disengagement area near Petrivske)	N/K	15-Mar, 21:22
	2-4km ESE	Recorded	1	Muzzle flash	Assessed as inside the disengagement area near Petrivske	N/K	15-Mar, 21:22
	2-4km ESE	Recorded	1	Projectile	SSW to NNE (subsequent to previous event)	N/K	15-Mar, 21:22
	2-4km ESE	Recorded	1	Explosion	Impact (subsequent to previous event, assessed as inside the disengagement area near Petrivske)	N/K	15-Mar, 21:22
	2-4km ESE	Recorded	1	Projectile	SSW to NNE (assessed as inside the disengagement area near Petrivske)	N/K	15-Mar, 21:23
	2-4km ESE	Recorded	1	Muzzle flash	Assessed as inside the disengagement area near Petrivske	N/K	15-Mar, 21:23
	2-4km ESE	Recorded	1	Projectile	SSW to NNE (subsequent to previous event)	N/K	15-Mar, 21:23
	2-4km ESE	Recorded	1	Explosion	Impact (subsequent to previous event, assessed as inside the disengagement area near Petrivske)	N/K	15-Mar, 21:23
	3-5km ESE	Recorded	4	Projectile	NNE to SSW	N/K	15-Mar, 22:44
	3-5km ESE	Recorded	1	Explosion	Impact (subsequent to previous event, unable to be assessed inside or outside the disengagement area near Petrivske)	N/K	15-Mar, 22:44
	3-5km ESE	Recorded	1	Muzzle flash		N/K	15-Mar, 22:44
	3-5km ESE	Recorded	1	Projectile	SSW to NNE (subsequent to previous event, unable to be assessed inside or outside the disengagement area near Petrivske)	N/K	15-Mar, 22:44

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



	2-4km ESE	Recorded	3	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	15-Mar, 22:45
	3-5km SE	Recorded	3	Projectile	In vertical flight (assessed as outside the disengagement area near Petrivske)	N/K	15-Mar, 22:46
	2-4km ESE	Recorded	2	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	15-Mar, 22:50
	2-4km ESE	Recorded	3	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	15-Mar, 22:52
	2-4km ESE	Recorded	1	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	15-Mar, 22:53
	3-5km ESE	Recorded	2	Projectile	In vertical flight (unable to be assessed inside or outside the disengagement area near Petrivske)	N/K	15-Mar, 22:55
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	2-4km SE	Recorded	2	Projectile	N to S	N/K	15-Mar, 19:47
	2-4km SE	Recorded	2	Projectile	N to S	N/K	15-Mar, 20:05
	2-4km SE	Recorded	3	Projectile	N to S	N/K	15-Mar, 21:05
	3-5km SE	Recorded	3	Explosion	Undetermined	N/K	15-Mar, 21:17
	3-5km SE	Recorded	6	Explosion	Undetermined	N/K	15-Mar, 21:18
	3-5km SE	Recorded	2	Explosion	Undetermined	N/K	15-Mar, 21:19
	2-4km SE	Recorded	3	Muzzle flash		N/K	15-Mar, 21:23
	2-4km SE	Recorded	1	Muzzle flash		N/K	15-Mar, 21:24
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	2-4km SE	Recorded	2	Projectile	N to S	N/K	15-Mar, 21:32
	3-5km SE	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 22:30
SMM camera at entry-exit checkpoint in Hnutove (government-controlled, 84km S of Donetsk)	3-5km SE	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 22:32
	2-3km ENE	Recorded	1	Projectile	NNW to SSE	N/K	15-Mar, 19:48
	1-2km ENE	Recorded	2	Projectile	N to S	N/K	15-Mar, 21:05
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1-2km ENE	Recorded	1	Projectile	N to S	N/K	15-Mar, 23:11
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 20:51
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 22:16
	1-3km E	Recorded	14	Muzzle flash		N/K	15-Mar, 22:17
	1-3km E	Recorded	26	Projectile	NW to SE (some subsequent to previous event)	N/K	15-Mar, 22:17
	1-3km E	Recorded	2	Projectile	In vertical flight	N/K	15-Mar, 22:17
	1-3km E	Recorded	2	Muzzle flash		N/K	15-Mar, 22:26
	1-3km E	Recorded	7	Projectile	NW to SE (two subsequent to previous event)	N/K	15-Mar, 22:26
	3-5km E	Recorded	2	Explosion	Undetermined	N/K	15-Mar, 23:28
3-5km E	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 23:32	

	3-5km E	Recorded	2	Explosion	Undetermined	N/K	15-Mar, 23:43
	3-5km E	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 23:51
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 20:51
	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 22:16
	4-6km NE	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 23:28
	4-6km NE	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 23:41
	4-6km NE	Recorded	2	Explosion	Undetermined	N/K	15-Mar, 23:43
	4-6km NE	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 23:47
	4-6km NE	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 23:51
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	2-4km NNW	Recorded	2	Projectile	SW to NE	N/K	15-Mar, 19:21
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 19:22
	2-4km NNE	Recorded	2	Explosion	Undetermined	N/K	15-Mar, 19:23
	2-4km NNW	Recorded	2	Explosion	Undetermined	N/K	15-Mar, 19:23
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 19:23
	4-6km N	Recorded	2	Projectile	WSW to ENE	N/K	15-Mar, 19:28
	5-7km N	Recorded	2	Explosion	Undetermined	N/K	15-Mar, 19:28
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 19:29
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 19:30
	5-7km N	Recorded	1	Projectile	WSW to ENE	N/K	15-Mar, 19:30
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 19:30
	5-7km N	Recorded	3	Projectile	WSW to ENE	N/K	15-Mar, 19:31
	5-7km N	Recorded	3	Explosion	Undetermined	N/K	15-Mar, 19:31
	5-7km N	Recorded	1	Projectile	WSW to ENE	N/K	15-Mar, 19:32
	5-7km N	Recorded	2	Explosion	Undetermined	N/K	15-Mar, 19:32
	5-7km N	Recorded	2	Projectile	WSW to ENE	N/K	15-Mar, 19:33
	5-7km N	Recorded	2	Explosion	Undetermined	N/K	15-Mar, 19:33
	5-7km N	Recorded	2	Projectile	WSW to ENE	N/K	15-Mar, 19:34
	5-7km N	Recorded	2	Explosion	Undetermined	N/K	15-Mar, 19:34
	5-7km N	Recorded	1	Projectile	WSW to ENE	N/K	15-Mar, 19:35
	5-7km N	Recorded	2	Explosion	Undetermined	N/K	15-Mar, 19:35
	4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	15-Mar, 19:36
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 19:36
	3-5km NNE	Recorded	1	Projectile	E to W	N/K	15-Mar, 19:58
	3-5km N	Recorded	1	Projectile	E to W	N/K	15-Mar, 20:01
	3-5km NNE	Recorded	3	Muzzle flash		N/K	15-Mar, 20:03
	3-5km NNE	Recorded	1	Projectile	E to W (subsequent to previous event)	N/K	15-Mar, 20:03
	3-5km N	Recorded	1	Projectile	E to W	N/K	15-Mar, 20:19
	3-5km N	Recorded	5	Projectile	E to W	N/K	15-Mar, 20:22
	3-5km N	Recorded	2	Projectile	E to W	N/K	15-Mar, 20:28
	3-5km N	Recorded	2	Projectile	In vertical flight	N/K	15-Mar, 20:29
	3-5km N	Recorded	2	Projectile	In vertical flight	N/K	15-Mar, 20:30
	3-5km N	Recorded	1	Projectile	E to W	N/K	15-Mar, 20:33
3-5km N	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 20:35	
2-4km N	Recorded	1	Projectile	W to E	N/K	15-Mar, 20:44	

	4-6km N	Recorded	3	Explosion	Undetermined	N/K	15-Mar, 20:44
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 20:48
	2-4km N	Recorded	1	Projectile	W to E	N/K	15-Mar, 20:56
	2-4km N	Recorded	1	Projectile	W to E	N/K	15-Mar, 21:00
	3-5km N	Recorded	1	Projectile	E to W	N/K	15-Mar, 21:01
	3-5km N	Recorded	1	Projectile	E to W	N/K	15-Mar, 21:02
	3-5km N	Recorded	6	Projectile	E to W	N/K	15-Mar, 21:03
	3-5km N	Recorded	4	Projectile	E to W	N/K	15-Mar, 21:04
	3-5km N	Recorded	1	Projectile	E to W	N/K	15-Mar, 21:17
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	15-Mar, 21:17
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 21:18
	3-5km N	Recorded	2	Projectile	E to W	N/K	15-Mar, 21:22
	3-5km N	Recorded	3	Projectile	E to W	N/K	15-Mar, 22:12
	3-5km N	Recorded	2	Projectile	E to W	N/K	15-Mar, 22:13
	4-6km NNW	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 22:38
	3-5km N	Recorded	5	Projectile	E to W	N/K	15-Mar, 22:41
	3-5km N	Recorded	4	Projectile	E to W	N/K	15-Mar, 22:43
	3-5km NNW	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 22:46
	3-5km NNW	Recorded	2	Explosion	Undetermined	N/K	15-Mar, 22:49
	3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 22:49
	3-5km NNW	Recorded	2	Explosion	Undetermined	N/K	15-Mar, 22:50
	3-5km NNW	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 22:51
	3-5km NNW	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 22:52
	3-5km NNW	Recorded	2	Explosion	Undetermined	N/K	15-Mar, 22:53
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	15-Mar, 23:14
	3-5km N	Recorded	2	Projectile	E to W	N/K	15-Mar, 23:17
	3-5km N	Recorded	10	Projectile	E to W	N/K	15-Mar, 23:24
	3-5km N	Recorded	1	Muzzle flash		N/K	15-Mar, 23:39
	3-5km N	Recorded	1	Projectile	W to E (subsequent to previous event)	N/K	15-Mar, 23:39
	3-5km N	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	15-Mar, 23:39
	3-5km N	Recorded	2	Projectile	E to W	N/K	16-Mar, 00:37
	3-5km N	Recorded	7	Projectile	E to W	N/K	16-Mar, 01:07
	3-5km N	Recorded	6	Projectile	E to W	N/K	16-Mar, 03:29
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	3-4km SW	Heard	1	Explosion	Impact	N/K	16-Mar, 09:46
	2-3km SW	Heard	34	Shot		Small arms	16-Mar, 09:47
	2-3km SW	Heard	10	Burst		Small arms	16-Mar, 09:47
	2-3km SW	Heard	7	Burst		HMG	16-Mar, 09:48
	3-4km SW	Heard	1	Explosion	Impact	N/K	16-Mar, 09:49
	2-3km SW	Heard	9	Burst		Small arms	16-Mar, 09:49-09:50
	2-3km SW	Heard	1	Shot		Small arms	16-Mar, 10:48

	2-3km SW	Heard	1	Burst		Small arms	16-Mar, 10:59
	1.5-2km SW	Heard	10	Shot		Small arms	16-Mar, 12:44
Railway station in Donetsk (non-government-controlled, 6km NW of Donetsk city centre)	2km NW	Heard	4	Shot		Small arms	16-Mar, 08:18
About 1km N of Donetsk Railway Station (6km NW of Donetsk city centre)	2-3km NW	Heard	1	Explosion	Undetermined	N/K	16-Mar, 09:24
About 3km SSE of Lohvynove (non-government-controlled, 59km NE of Donetsk)	2km NNW	Heard	6	Shot		Small arms	16-Mar, 12:25
	2km NNW	Heard	2	Burst		Small arms	16-Mar, 12:25
About 2km NE of Chernenko (government-controlled, 86km S of Donetsk)	4-6km SE	Heard	7	Explosion	Undetermined	N/K	16-Mar, 12:15-12:18
	5-7km ESE	Heard	1	Explosion	Undetermined	N/K	16-Mar, 13:43
About 2km SE of Lebedynske (government-controlled, 99km S of Donetsk)	N/K NNE	Heard	1	Explosion	Outgoing	N/K	16-Mar, 12:40
	N/K NE	Heard	1	Explosion	Impact	N/K	16-Mar, 12:40
	N/K NNE	Heard	3	Burst		HMG	16-Mar, 12:40
	N/K NNE	Heard	5	Shot		AGL	16-Mar, 12:40
Horlivka (non-government-controlled, 39km NE of Donetsk)	5-8km NW	Heard	1	Explosion	Undetermined	N/K	15-Mar, 19:11
	4-7km W	Heard	1	Explosion	Undetermined	N/K	15-Mar, 20:51
	5-7km W	Heard	1	Explosion	Undetermined	N/K	15-Mar, 21:03
	6-8km W	Heard	3	Explosion	Undetermined	N/K	15-Mar, 22:02-22:06
	6-8km NW	Heard	4	Explosion	Undetermined	N/K	15-Mar, 23:28-23:33
	6-8km NW	Heard	3	Explosion	Undetermined	N/K	15-Mar, 23:25
	6-8km NW	Heard	1	Explosion	Undetermined	N/K	15-Mar, 23:38
	6-8km NW	Heard	1	Explosion	Undetermined	N/K	15-Mar, 23:42
	6-9km N	Heard	1	Explosion	Undetermined	N/K	15-Mar, 23:44
	3-4km NW	Heard	1	Burst		HMG	15-Mar, 23:44
	7-10km N	Heard	3	Explosion	Undetermined	N/K	15-Mar, 23:48-23:52
Svitlodarsk (government-controlled, 57km NE of Donetsk)	4-6km SW	Heard	2	Explosion	Undetermined	N/K	15-Mar, 19:40
	4-6km SE	Heard	1	Explosion	Undetermined	N/K	15-Mar, 21:30
	4-6km SE	Heard	2	Explosion	Undetermined	N/K	15-Mar, 23:33
	4-6km SE	Heard	1	Explosion	Undetermined	N/K	15-Mar, 23:43
	4-6km SE	Heard	1	Explosion	Undetermined	N/K	15-Mar, 23:50
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	3-5km SW	Recorded	4	Projectile	In vertical flight	N/K	15-Mar, 19:35
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	4-6km E	Recorded	3	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	15-Mar, 19:28
	4-6km E	Recorded	2	Explosion	Undetermined (assessed as outside	N/K	15-Mar, 19:29

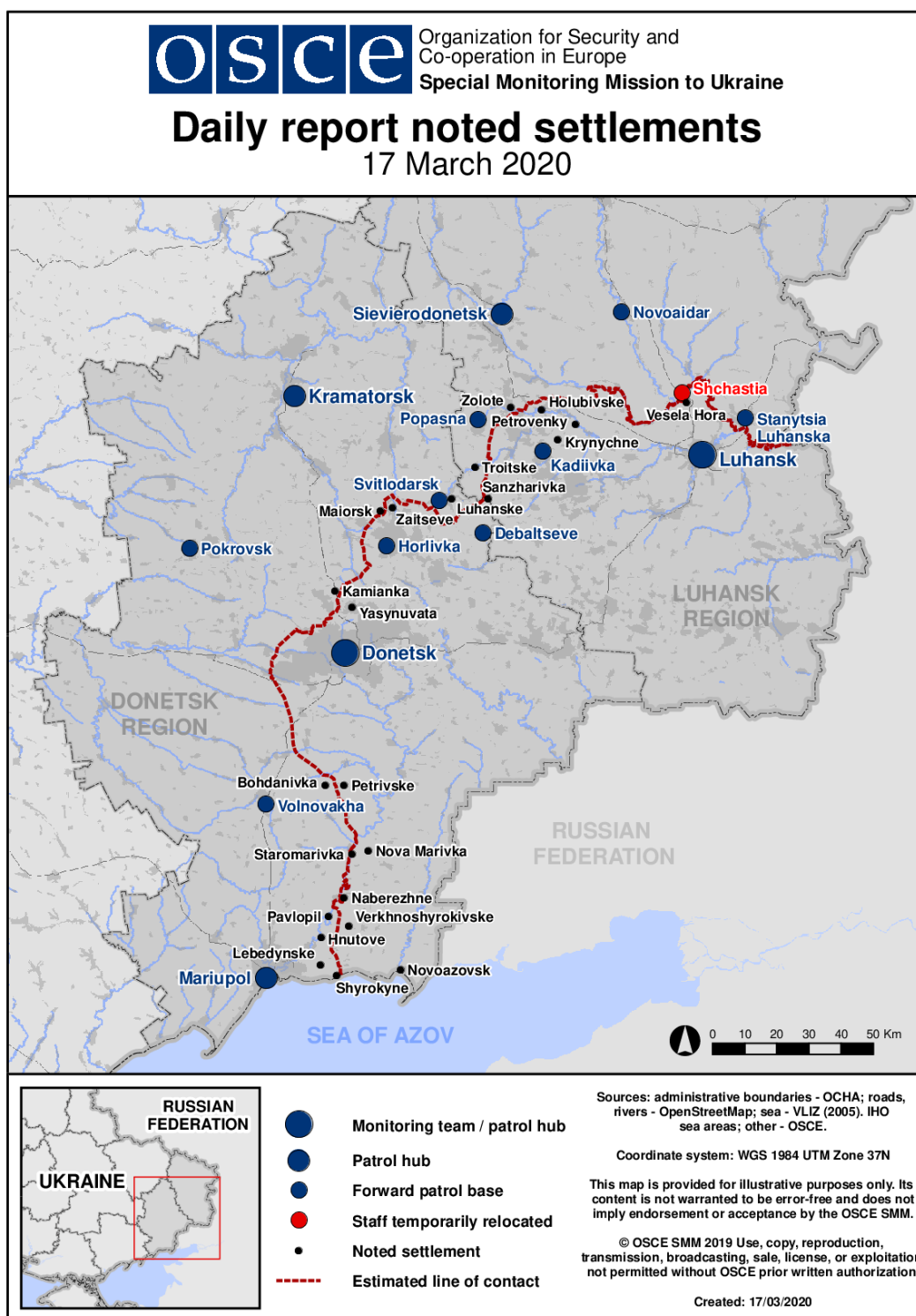
					the disengagement area)		
	4-6km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	15-Mar, 19:30
	4-6km E	Recorded	3	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	15-Mar, 19:33
	4-6km E	Recorded	4	Projectile	S to N ( assessed as outside the disengagement area)	N/K	15-Mar, 19:34
	4-6km E	Recorded	3	Muzzle flash	Assessed as outside the disengagement area	N/K	15-Mar, 19:34
	4-6km ENE	Recorded	3	Projectile	In vertical flight (assessed as outside the disengagement area)	N/K	15-Mar, 19:35
	4-6km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	15-Mar, 19:38
	4-6km E	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	15-Mar, 19:38
	4-6km ENE	Recorded	1	Projectile	In vertical flight (assessed as outside the disengagement area)	N/K	15-Mar, 19:39
	4-6km ENE	Recorded	1	Muzzle flash	Assessed as outside the disengagement area	N/K	15-Mar, 19:40
	4-6km E	Recorded	3	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	15-Mar, 19:46
	4-6km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	15-Mar, 19:46
	4-6km E	Recorded	5	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	15-Mar, 19:47
	3-5km E	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	15-Mar, 19:50
	3-5km ENE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	15-Mar, 23:35
	3-5km E	Recorded	1	Projectile	N to S (assessed as outside the disengagement area)	N/K	15-Mar, 23:58
S edge of Holubivske (non-government-controlled, 51km W of Luhansk)	3-5km NE	Heard	5	Explosion	Undetermined	N/K	16-Mar, 09:30-09:39
	3-5km NE	Heard	11	Burst		HMG	16-Mar, 09:30-09:39
	8-9km NW	Heard	6	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	16-Mar, 13:28-13:35

	8-9km N	Heard	56	Explosion	Undetermined	N/K	16-Mar, 13:28-13:35
	5-8km N	Heard	10	Burst		HMG	16-Mar, 13:28-13:35
	8-9km N	Heard	14	Explosion	Undetermined	N/K	16-Mar, 13:35-13:45
	8-9km ENE	Heard	25	Explosion	Undetermined	N/K	16-Mar, 13:35-13:45
	3-5km N	Heard	12	Explosion	Undetermined	N/K	16-Mar, 13:35-13:45
Holubivske (non-government-controlled, 51km W of Luhansk)	3-5km WSW	Heard	8	Burst	Assessed as outside the disengagement area near Zolote	HMG	16-Mar, 16:03-16:15
NE edge of Sentianivka (formerly Frunze, non-government-controlled, 44km W of Luhansk)	4-6km NNW	Heard	2	Explosion	Undetermined	N/K	16-Mar, 10:30-10:34
	4-6km NNW	Heard	2	Burst		HMG	16-Mar, 10:30-10:34
1.5km NW of Krynychne (non-government-controlled, 45km W of Luhansk)	10-15km WNW	Heard	3	Explosion	Undetermined	N/K	16-Mar, 11:02
	1-2km SSW	Heard	20	Shot		Small arms	16-Mar, 11:23
	5-10km NE	Heard	1	Explosion	Undetermined	N/K	16-Mar, 11:28
	10-15km NNW	Heard	50	Explosion	Undetermined	N/K	16-Mar, 11:33-11:35
3km N of Pervomaisk (non-government-controlled, 58km W of Luhansk)	4-6km NNE	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	16-Mar, 11:05
	8-10km NE	Heard	178	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	16-Mar, 13:00-13:45
	8-10km NE	Heard	25	Burst	Assessed as outside the disengagement area near Zolote	HMG	16-Mar, 13:00-13:45
SW edge of Zolote-5/Mykhailivka (non-government-controlled, 58km W of Luhansk)	4-6km NE	Heard	10	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	16-Mar, 11:35-11:40
	4-6km NE	Heard	5	Burst	Assessed as outside the disengagement area	HMG	16-Mar, 11:35-11:40
NW edge of Petrovenky (non-government-controlled, 40km W of Luhansk)	8-12km NW	Heard	300	Explosion	Undetermined	N/K	16-Mar, 12:08-13:00
1.5km W of Berezivske (non-government-controlled, 53km NW of Luhansk)	6-9km NE	Heard	117	Explosion	Undetermined	N/K	16-Mar, 12:09-12:22
2km NNE of Vyskryva (government-controlled, 76km W of Luhansk)	8-10km ENE	Heard	19	Explosion	Undetermined	N/K	16-Mar, 12:25-13:00
NE edge of Holubivka (formerly Kirovsk, non-government-	8-9km NNE	Heard and saw	20	Explosion	Impact	N/K	16-Mar, 13:00-13:06
	8-9km NNE	Heard and saw	27	Explosion	Impact	N/K	16-Mar, 13:06-13:20



controlled, 51km W of Luhansk)	8-9km WNW	Heard and saw	20	Explosion	Impact (assessed as outside the disengagement area near Zolote)	N/K	16-Mar, 13:06-13:20
	8-10km NE	Heard	32	Explosion	Undetermined	N/K	16-Mar, 14:30-14:45
	5-8km WNW	Heard	14	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	16-Mar, 14:30-14:45
	8-10km N	Heard	6	Burst		HMG	16-Mar, 14:30-14:45

### 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 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).