

**Table of ceasefire violations as of 22 March 2019<sup>1</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	1-3km SE	Recorded	1	Muzzle flash		N/K	21-Mar, 18:47
	2-4km S	Recorded	1	Projectile	WNW to ESE	N/K	21-Mar, 18:48
	2-4km S	Recorded	1	Explosion	Undetermined		21-Mar, 18:48
	1-3km SSE	Recorded	2	Muzzle flash		N/K	21-Mar, 18:54
	1-3km SSE	Recorded	2	Projectile	WNW to ESE	N/K	21-Mar, 18:54
	1-3km SSE	Recorded	2	Projectile	ENE to WSW	N/K	21-Mar, 18:54
	1-3km S	Recorded	1	Muzzle flash		N/K	21-Mar, 18:55
	1-3km SE	Recorded	2	Projectile	ENE to WSW	N/K	21-Mar, 18:55
	1-3km S	Recorded	1	Projectile	WNW to ESE	N/K	21-Mar, 18:55
	1-3km SE	Recorded	11	Projectile	ENE to WSW	N/K	21-Mar, 18:56
	1-2km SE	Recorded	18	Projectile	ENE to WSW	N/K	21-Mar, 18:57
	1-3km SSE	Recorded	5	Explosion	Undetermined	N/K	21-Mar, 19:06
	1-3km SSE	Recorded	1	Projectile	ENE to WSW	N/K	21-Mar, 19:06
	1-2km SE	Recorded	5	Projectile	ENE to WSW	N/K	21-Mar, 19:07
	1-2km S	Recorded	1	Explosion	Undetermined	N/K	21-Mar, 19:10
	1-2km SE	Recorded	4	Projectile	ENE to WSW	N/K	21-Mar, 19:18
	1-2km SE	Recorded	1	Projectile	ENE to WSW	N/K	21-Mar, 19:19
	1-2km SE	Recorded	2	Projectile	ENE to WSW	N/K	21-Mar, 19:20
	1-2km SE	Recorded	6	Projectile	ENE to WSW	N/K	21-Mar, 19:22
	1-2km SE	Recorded	9	Projectile	ENE to WSW	N/K	21-Mar, 19:47
	1-2km SE	Recorded	2	Muzzle flash		N/K	21-Mar, 19:47
	1-3km SE	Recorded	1	Projectile	WNW to ESE	N/K	21-Mar, 19:48
	1-3km SE	Recorded	1	Muzzle flash		N/K	21-Mar, 19:48
	2-4km SSE	Recorded	4	Muzzle flash		N/K	21-Mar, 20:21
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	21-Mar, 20:21
	2-4km SSE	Recorded	1	Projectile	NE to SW	N/K	21-Mar, 20:22
	2-5km SSE	Recorded	2	Projectile	ENE to WSW	N/K	21-Mar, 20:24
	3-5km SSE	Recorded	2	Projectile	NE to SW	N/K	21-Mar, 20:35
	3-5km SSE	Recorded	3	Projectile	ENE to WSW	N/K	21-Mar, 20:36
	3-5km SSE	Recorded	1	Projectile	WSW to ENE	N/K	21-Mar, 20:57
	3-5km SSE	Recorded	1	Projectile	ENE to WSW	N/K	21-Mar, 21:15
	3-5km SSE	Recorded	5	Projectile	WSW to ENE	N/K	21-Mar, 21:16
	3-5km SSE	Recorded	1	Projectile	ENE to WSW	N/K	21-Mar, 21:19
2-4km SSE	Recorded	3	Projectile	ENE to WSW	N/K	21-Mar, 22:55	
2-4km SSE	Recorded	5	Projectile	NE to SW	N/K	22-Mar, 02:35	
3-5km SSE	Recorded	1	Projectile	NNE to SSW	N/K	22-Mar, 03:54	
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-2km SSW	Recorded	1	Projectile	SE to NW	N/K	21-Mar, 19:08
	1-2km S	Recorded	1	Projectile	In vertical flight	N/K	22-Mar, 00:57
	500m-1km S	Recorded	3	Projectile	E to W	N/K	22-Mar, 01:56
	500m-1km S	Recorded	1	Projectile	E to W	N/K	22-Mar, 02:15
	500m-1km S	Recorded	1	Projectile	E to W	N/K	22-Mar, 02:30
	500m-1km S	Recorded	1	Projectile	NE to SW	N/K	22-Mar, 02:51
	500m-1km S	Recorded	1	Projectile	E to W	N/K	22-Mar, 03:55
	300-500m SSE	Recorded	2	Projectile	ESE to WNW	N/K	22-Mar, 17:59
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	0.8-1.5km E	Recorded	4	Explosion	Impact	N/K	21-Mar, 15:59
	1-3km ESE	Recorded	1	Explosion	Undetermined	N/K	21-Mar, 18:47
	1-3km ESE	Recorded	1	Explosion	Undetermined	N/K	21-Mar, 19:10
	4-6km E	Recorded	1	Projectile	N to S	N/K	21-Mar, 20:30
	4-6km E	Recorded	1	Projectile	S to N	N/K	21-Mar, 20:30
	4-6km E	Recorded	1	Explosion	Undetermined	N/K	21-Mar, 20:30
	4-6km E	Recorded	2	Projectile	S to N	N/K	21-Mar, 20:31
	4-6km E	Recorded	1	Projectile	N to S	N/K	21-Mar, 20:48
4-6km E	Recorded	4	Projectile	N to S	N/K	21-Mar, 20:49	

<sup>1</sup> 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.

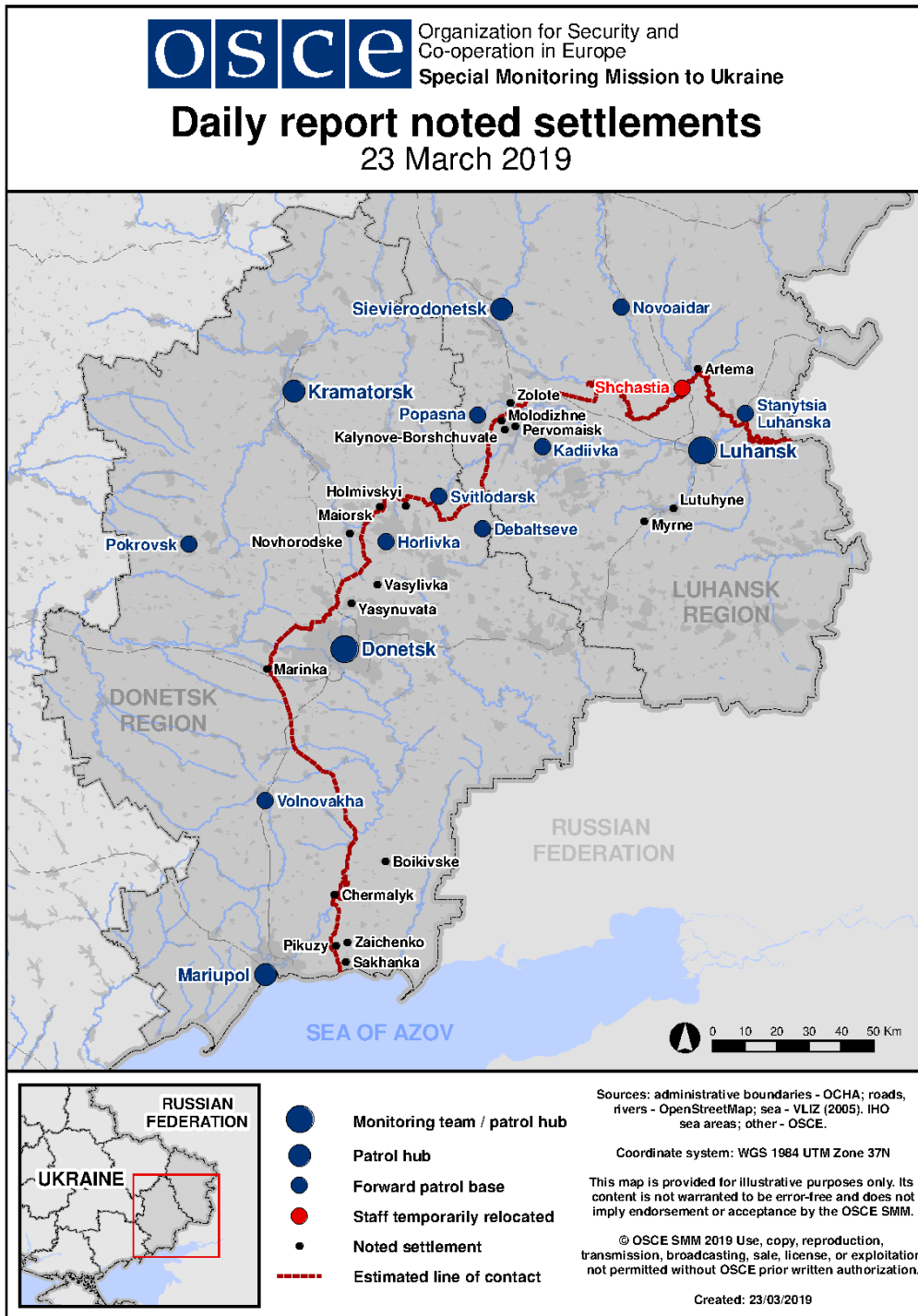
	4-6km E	Recorded	1	Projectile	S to N	N/K	21-Mar, 20:57
SMM camera E of Lomakyne (government-controlled, 15km NE of Mariupol)	4-6km ENE	Recorded	13	Projectile	NNW to SSE	N/K	21-Mar, 21:19
	4-6km ENE	Recorded	5	Projectile	NNW to SSE	N/K	21-Mar, 21:27
	4-6km E	Recorded	1	Explosion	Impact	N/K	21-Mar, 21:27
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1-1.5km ENE	Recorded	1	Projectile	In vertical flight	N/K	21-Mar, 19:36
	1-1.5km ENE	Recorded	1	Illumination flare	In vertical flight	N/K	21-Mar, 19:36
	1-2km N	Recorded	1	Illumination flare	In vertical flight	N/K	22-Mar, 00:04
	1-2km N	Recorded	1	Illumination flare	In vertical flight	N/K	22-Mar, 03:34
SMM camera at entry-exit checkpoint in Pyshchevyk (government-controlled, 25km NE of Mariupol)	2-4km S	Recorded	1	Explosion	Impact	N/K	21-Mar, 18:42
	2-4km S	Recorded	1	Explosion	Impact	N/K	21-Mar, 18:43
	2-4km S	Recorded	1	Projectile	W to E	N/K	21-Mar, 18:43
	2-4km S	Recorded	2	Explosion	Impact	N/K	21-Mar, 18:44
	2-4km S	Recorded	2	Projectile	W to E	N/K	21-Mar, 18:44
	2-4km S	Recorded	1	Projectile	E to W	N/K	21-Mar, 18:44
	2-4km S	Recorded	2	Projectile	W to E	N/K	21-Mar, 18:45
	2-4km S	Recorded	2	Explosion	Impact	N/K	21-Mar, 18:46
	2-4km S	Recorded	1	Explosion	Impact	N/K	21-Mar, 18:47
	2-4km S	Recorded	2	Projectile	W to E	N/K	21-Mar, 18:47
	2-4km S	Recorded	2	Projectile	E to W	N/K	21-Mar, 18:47
	2-4km S	Recorded	2	Explosion	Undetermined	N/K	21-Mar, 18:48
	2-4km S	Recorded	8	Projectile	E to W	N/K	21-Mar, 18:48
	2-4km S	Recorded	1	Illumination flare	W to E	N/K	21-Mar, 18:51
	2-4km S	Recorded	1	Projectile	E to W	N/K	21-Mar, 18:51
	2-4km S	Recorded	2	Explosion	Impact	N/K	21-Mar, 18:53
	2-4km S	Recorded	1	Explosion	Impact	N/K	21-Mar, 18:54
	2-4km S	Recorded	2	Explosion	Impact	N/K	21-Mar, 18:55
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	21-Mar, 19:00
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	21-Mar, 19:01
2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	21-Mar, 19:08	
2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	21-Mar, 19:09	
2-4km S	Recorded	2	Explosion	Impact	N/K	21-Mar, 19:10	
2-4km SSE	Recorded	1	Projectile	E to W	N/K	21-Mar, 20:34	
2-4km S	Recorded	2	Projectile	W to E	N/K	21-Mar, 21:16	
About 2km NW of Debaltseve (non-government-controlled, 58km NE of Donetsk)	6-8km NNW	Heard	6	Explosion	Undetermined	N/K	22-Mar, 08:34-08:38
	5-8km NNW	Heard	32	Explosion	Undetermined	N/K	22-Mar, 08:49-08:58
	5-8km NNW	Heard	9	Explosion	Undetermined	N/K	22-Mar, 09:15-09:17
	5-8km NNW	Heard	2	Explosion	Undetermined	N/K	22-Mar, 09:29-09:34
	5-6km NW	Heard and saw	1	Explosion	Impact	N/K	22-Mar, 09:35
About 3km SSE of Lozove (government-controlled, 51km NE of Donetsk)	5-8km NE	Heard and saw	1	Explosion	Impact	N/K	22-Mar, 14:13
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	4-5km NW	Heard	1	Explosion	Undetermined	N/K	22-Mar, 09:15
	4-5km NW	Heard	1	Explosion	Undetermined	N/K	22-Mar, 10:00
	2.5-3km N	Heard	90	Shot		Small arms	22-Mar, 10:10-10:15
	4-5km SW	Heard	2	Explosion	Undetermined	N/K	22-Mar, 10:31
	2.5km N	Heard	4	Shot		Small arms	22-Mar, 10:45
	2-4km NE	Heard	80	Burst		HMG	22-Mar, 10:47-10:53
	2.5km N	Heard	4	Shot		Small arms	22-Mar, 10:47-10:53

About 6.5km NW of Donetsk city centre (non-government-controlled)	3-4km NNE	Heard	3	Explosion	Undetermined	N/K	22-Mar, 10:29	
	1-2km NNW	Heard	5	Burst		HMG	22-Mar, 11:16-11:30	
	1-2km NNW	Heard	8	Shot		HMG	22-Mar, 11:16-11:30	
3km NE of Zaichenko (non-government-controlled, 26km NE of Mariupol)	1km NNW	Heard and saw	1	Explosion	Impact	Mortar (type N/K)	22-Mar, 11:14	
	N/K ESE	Heard	2	Explosion	Undetermined	N/K	22-Mar, 11:46	
W of Verkhnohyrokiyske (formerly Oktiabr, non-government-controlled, 29km NE of Mariupol)	2-3km S	Heard	1	Explosion	Undetermined	N/K	22-Mar, 11:09	
	2-3km N	Saw	1	Explosion	Undetermined	N/K	22-Mar, 11:09	
Horlivka (non-government-controlled, 39km NE of Donetsk)	3-4km WSW	Heard	6	Explosion	Undetermined	N/K	21-Mar, 23:45-23:52	
	3-4km WSW	Heard	5	Explosion	Undetermined	N/K	22-Mar, 00:05-00:15	
	3-4km WSW	Heard	6	Explosion	Undetermined	N/K	22-Mar, 00:25-00:35	
	3-4km WSW	Heard	11	Explosion	Undetermined	N/K	22-Mar, 00:37-00:45	
	3-4km WSW	Heard	5	Explosion	Undetermined	N/K	22-Mar, 06:47-07:00	
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km SSE	Heard	1	Burst		Small arms	21-Mar, 18:40	
	5-7km SSE	Heard	2	Explosion	Undetermined	N/K	21-Mar, 18:51	
	3-5km SSE	Heard	7	Explosion	Undetermined	N/K	21-Mar, 19:05	
	4-6km SSE	Heard	4	Explosion	Undetermined	N/K	21-Mar, 19:11	
	4-6km SSE	Heard	2	Explosion	Undetermined	N/K	21-Mar, 19:17	
	4-6km SSE	Heard	1	Explosion	Undetermined	N/K	21-Mar, 19:23	
	3-5km SSE	Heard	2	Explosion	Undetermined	N/K	21-Mar, 20:13	
	4-6km SSE	Heard	1	Explosion	Undetermined	N/K	21-Mar, 20:38	
	3-5km SE	Heard	4	Burst		HMG	21-Mar, 20:39	
	4-6km SSE	Heard	5	Explosion	Undetermined	N/K	21-Mar, 21:14	
	5-7km SE	Heard	9	Explosion	Undetermined	N/K	21-Mar, 21:16	
	5-7km SE	Heard	1	Explosion	Undetermined	N/K	21-Mar, 21:26	
	3-5km SSE	Heard	2	Explosion	Undetermined	N/K	21-Mar, 21:28	
	3-5km SSE	Heard	3	Burst		Small arms	21-Mar, 22:46	
	4-6km SSE	Heard	1	Explosion	Undetermined	N/K	21-Mar, 22:58	
	3-5km SE	Heard	4	Burst		Small arms	21-Mar, 22:59	
	3-5km SSE	Heard	1	Explosion	Undetermined	N/K	21-Mar, 23:00	
	3-5km SSE	Heard	1	Explosion	Undetermined	N/K	21-Mar, 23:41	
	4-6km SSE	Heard	5	Explosion	Undetermined	N/K	21-Mar, 23:42-23:45	
	4-6km SSE	Heard	3	Explosion	Undetermined	N/K	21-Mar, 23:48	
	3-5km SSE	Heard	2	Explosion	Undetermined	N/K	22-Mar, 10:03	
	4-5km NE	Heard	10	Explosion	Undetermined	N/K	22-Mar, 11:06	
	3-5km SE	Heard	3	Explosion	Undetermined	N/K	22-Mar, 11:29	
	3-5km SSE	Heard	1	Explosion	Undetermined	N/K	22-Mar, 12:02	
	3-5km SE	Heard	Uncountable	Burst		uncountable overlapping sequence	HMG	22-Mar, 15:12-15:13
	3-5km SE	Heard	Uncountable	Burst		uncountable overlapping sequence	HMG	22-Mar, 15:19-15:20
	4-5km SE	Heard	59	Explosion	Undetermined	N/K	22-Mar, 15:26-15:31	
Vozdvyzhenka (former Krasni)	4-5km NE	Heard	2	Explosion	Outgoing	N/K	22-Mar, 10:55	
	4-5km NNE	Heard	10	Explosion	Undetermined	N/K	22-Mar, 11:06	

Pekar, government-controlled 40km NW Donetsk)							
About 2km SSE of Kamianka (government-controlled, 23km N of Donetsk)	3-4km SW	Heard	3	Explosion		N/K	22-Mar, 11:34
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	22-Mar, 12:29
	5-6km SSE	Heard	5	Explosion	Undetermined	N/K	22-Mar, 13:15
	1-2km NE	Heard	1	Explosion	Undetermined	N/K	22-Mar, 13:17
N edge of Verkhnotoretske (government-controlled, 23km NE of Donetsk)	6-7km NE	Heard	1	Explosion	Undetermined	N/K	22-Mar, 11:17
SMM camera at Prince Ihor Monument SE of Stanytsia Luhanska bridge (15km NE of Luhansk)	1.5-3km NW	Recorded	2	Explosion	Impact (unable to assess whether inside or outside the disengagement area)	N/K	21-Mar, 18:25
	0.7-2km NW	Recorded	1	Projectile	ESE to WNW (assessed as inside the disengagement area)	N/K	21-Mar, 18:25
	1.5-3km NW	Recorded	5	Explosion	Impact (unable to assess whether inside or outside the disengagement area)	N/K	21-Mar, 18:26
	0.7-2km NW	Recorded	8	Projectile	ESE to WNW (assessed as inside the disengagement area)	N/K	21-Mar, 18:26
	1.5-3km NW	Recorded	15	Explosion	Impact (unable to assess whether inside or outside the disengagement area)	N/K	21-Mar, 18:27
	0.7-2km NW	Recorded	2	Projectile	ESE to WNW (assessed as inside the disengagement area)	N/K	21-Mar, 18:27
N edge of Popasna (government-controlled, 69km W of Luhansk)	8-10km SSE	Heard	10	Explosion	Undetermined	N/K	22-Mar, 05:50-06:00
	5-7km SSW	Heard	1	Explosion	Undetermined	N/K	22-Mar, 09:17
	1-2km S	Heard	3	Explosion	Undetermined	N/K	22-Mar, 09:27
N edge of Kalynove-Borshchuvate (non-government-controlled, 61km W of Luhansk)	6-8km SSW	Heard	9	Explosion		N/K	22-Mar, 09:13-09:17
1.5km SW of Molodizhne (non-government-controlled, 63km NW of Luhansk)	2-4km S	Heard	2	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	22-Mar, 09:23-09:28
	3-5km SW	Heard	2	Explosion	Undetermined (assessed as outside the	N/K	22-Mar, 09:23-09:28

					Zolote disengagement area)		
	3-5km E	Heard	20	Shot	Assessed as outside the Zolote disengagement area	Small arms	22-Mar, 09:40
W edge of Smile (non-government-controlled, 31km NW of Luhansk)	3km NE	Heard	5	Shot		N/K	22-Mar, 09:30-09:35
Zolote-5/Mykhailivka (non-government-controlled, 58km W of Luhansk)	6-8km W	Heard	55	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	22-Mar, 10:24-10:51
	6-8km W	Heard	5	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	22-Mar, 10:52-11:00
	10-12km NE	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	22-Mar, 12:43
Zolote-3/Stakhanovets (government-controlled, 61km W of Luhansk)	7-10km SSW	Heard	9	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	22-Mar, 10:45-10:50
2km S of Muratove (government-controlled, 51km NW of Luhansk)	3-5km S	Heard	24	Burst		Small arms	22-Mar, 10:24-10:55
	3-5km S	Heard	2	Explosion	Undetermined	N/K	22-Mar, 10:24-10:55
SE edge of Druzhba (government-controlled, 76km W of Luhansk)	4-5km NE	Heard	22	Explosion	Incoming and outgoing	Artillery	22-Mar, 10:47-11:03
N edge of Sentianivka (formerly Frunze, non-government-controlled, 44km W of Luhansk)	5-7km NNW	Heard	10	Explosion	Undetermined	N/K	22-Mar, 11:15-11:30
	5-7km NNW	Heard	10	Burst		HMG	22-Mar, 11:15-11:30
	5-7km NNW	Heard	2	Shot		Small arms	22-Mar, 11:15-11:30
Kadiivka (formerly Stakhanov, non-government-controlled 50km W of Luhansk)	10-15km W	Heard	170	Explosion	Undetermined	N/K	22-Mar, 16:15-18:00
	10-15km NW	Heard	60	Explosion	Undetermined	N/K	22-Mar, 16:15-18:00

## Map of Donetsk and Luhansk regions<sup>2</sup>



<sup>2</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: forward patrol bases from which SMM staff has temporarily relocated based on recommendations of security experts from participating States as well as SMM security considerations).