

**Table of ceasefire violations as of 20 August 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)	2-4km SSE	Recorded	1	Muzzle flash		N/K	19-Aug, 21:48
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	19-Aug, 22:10
	2-4km S	Recorded	1	Projectile	WSW to ENE	N/K	19-Aug, 22:35
	2-4km S	Recorded	2	Projectile	WSW to ENE	N/K	19-Aug, 22:38
	2-4km S	Recorded	1	Projectile	WSW to ENE	N/K	19-Aug, 22:39
	2-4km S	Recorded	1	Projectile	WSW to ENE	N/K	20-Aug, 00:01
	2-4km S	Recorded	2	Projectile	WSW to ENE	N/K	20-Aug, 00:09
	2-4km S	Recorded	1	Projectile	WSW to ENE	N/K	20-Aug, 00:16
	2-4km S	Recorded	1	Projectile	WSW to ENE	N/K	20-Aug, 00:19
	2-4km S	Recorded	1	Projectile	WSW to ENE	N/K	20-Aug, 00:23
	2-4km S	Recorded	1	Projectile	WSW to ENE	N/K	20-Aug, 00:30
	2-4km S	Recorded	1	Projectile	WSW to ENE	N/K	20-Aug, 01:03
	2-4km S	Recorded	1	Projectile	WSW to ENE	N/K	20-Aug, 01:04
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	20-Aug, 01:17
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	20-Aug, 01:18
	2-4km SSE	Recorded	1	Illumination flare	In vertical flight	N/K	20-Aug, 01:35
	2-4km SSE	Recorded	1	Illumination flare	In vertical flight, also recorded by the SMM camera in Hnutove	N/K	20-Aug, 01:49
2-4km SSE	Recorded	1	Illumination flare	In vertical flight, also recorded by the SMM cameras in Hnutove and Lomakyne	N/K	20-Aug, 02:06	
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	500m-2km S	Recorded	1	Projectile	WNW to ESE	N/K	20-Aug, 04:12
	500m-2km S	Recorded	1	Projectile	W to E	N/K	20-Aug, 04:13
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	2-4km ESE	Recorded	1	Projectile	S to N	N/K	19-Aug, 20:49
	2-4km ESE	Recorded	1	Explosion	Airburst	N/K	19-Aug, 20:56
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	19-Aug, 21:09
	2-4km ESE	Recorded	4	Projectile	S to N	N/K	19-Aug, 21:17
	2-4km ESE	Recorded	2	Projectile	S to N	N/K	19-Aug, 21:48
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	19-Aug, 21:48
	2-4km ENE	Recorded	1	Muzzle flash		N/K	19-Aug, 22:07
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	19-Aug, 22:35
	2-4km ESE	Recorded	2	Projectile	S to N	N/K	19-Aug, 22:37
	2-4km ESE	Recorded	2	Projectile	S to N	N/K	19-Aug, 22:38
	2-4km ESE	Recorded	4	Projectile	S to N	N/K	19-Aug, 22:39
	2-4km ESE	Recorded	4	Projectile	SSW to NNE	N/K	20-Aug, 01:06
	2-4km ESE	Recorded	3	Projectile	S to N	N/K	20-Aug, 01:31
	2-4km ESE	Recorded	2	Projectile	S to N	N/K	20-Aug, 02:37
SMM camera E	2-4km ENE	Recorded	1	Projectile	NW to SE	N/K	19-Aug, 22:55

<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.

of Lomakyne (government-controlled, 15km NE of Mariupol)	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	19-Aug, 22:55
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1-3km ENE	Recorded	1	Projectile	N to S	N/K	19-Aug, 23:30
SMM camera at entry-exit checkpoint in Pyshevyk (government-controlled, 25km NE of Mariupol)	2-4km SSE	Recorded	15	Projectile	E to W	N/K	19-Aug, 20:48
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	19-Aug, 20:48
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	19-Aug, 20:49
	2-4km SSE	Recorded	3	Projectile	W to E	N/K	19-Aug, 21:17
	2-4km SSE	Recorded	5	Projectile	W to E	N/K	19-Aug, 21:45
	2-4km SSE	Recorded	13	Projectile	E to W	N/K	19-Aug, 21:47
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	19-Aug, 21:48
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	19-Aug, 21:48
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	19-Aug, 21:48
	2-4km SE	Recorded	1	Projectile	E to W	N/K	19-Aug, 21:54
	2-4km SSE	Recorded	5	Projectile	E to W	N/K	19-Aug, 21:56
	2-4km SSE	Recorded	6	Projectile	E to W	N/K	19-Aug, 21:57
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	19-Aug, 21:57
	2-4km S	Recorded	1	Projectile	E to W	N/K	19-Aug, 22:01
	2-4km S	Recorded	1	Illumination flare	In vertical flight, also recorded by the SMM camera in Shyrokyne	N/K	19-Aug, 22:19
	2-4km SSE	Recorded	4	Projectile	E to W	N/K	19-Aug, 22:29
	2-4km SSE	Recorded	4	Projectile	E to W	N/K	19-Aug, 22:30
	2-4km S	Recorded	2	Projectile	W to E	N/K	19-Aug, 22:31
	2-4km S	Recorded	1	Projectile	W to E	N/K	19-Aug, 22:33
	2-4km S	Recorded	1	Illumination flare	In vertical flight	N/K	19-Aug, 22:33
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	19-Aug, 22:34
	2-4km S	Recorded	1	Projectile	W to E	N/K	19-Aug, 22:34
	2-4km SSE	Recorded	3	Projectile	W to E	N/K	19-Aug, 22:35
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	19-Aug, 22:35
	2-4km S	Recorded	3	Projectile	E to W	N/K	19-Aug, 22:36
	2-4km SSE	Recorded	8	Projectile	W to E	N/K	19-Aug, 22:37
	2-4km SSE	Recorded	6	Projectile	E to W	N/K	19-Aug, 22:38
	2-4km S	Recorded	2	Projectile	W to E	N/K	19-Aug, 22:38
	2-4km S	Recorded	1	Illumination flare	In vertical flight	N/K	19-Aug, 22:38
	2-4km SSE	Recorded	8	Projectile	W to E	N/K	19-Aug, 22:39
	2-4km S	Recorded	1	Projectile	W to E	N/K	19-Aug, 22:41
	2-4km S	Recorded	1	Projectile	W to E	N/K	19-Aug, 22:42
	2-4km SSE	Recorded	5	Projectile	W to E	N/K	19-Aug, 22:45
	2-4km S	Recorded	1	Projectile	W to E	N/K	19-Aug, 22:45
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	19-Aug, 22:46
	2-4km SSE	Recorded	3	Projectile	W to E	N/K	19-Aug, 22:47
	2-4km S	Recorded	2	Projectile	W to E	N/K	19-Aug, 22:48
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	19-Aug, 22:48
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	19-Aug, 22:53
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	19-Aug, 22:54
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	19-Aug, 22:55
2-4km SSE	Recorded	4	Projectile	W to E	N/K	19-Aug, 22:56	
2-4km SSE	Recorded	1	Projectile	W to E	N/K	19-Aug, 22:58	
2-4km S	Recorded	1	Projectile	W to E	N/K	19-Aug, 22:59	
2-4km SSE	Recorded	2	Projectile	E to W	N/K	19-Aug, 23:00	

	2-4km SSE	Recorded	2	Projectile	W to E	N/K	19-Aug, 23:03
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	19-Aug, 23:04
	2-4km S	Recorded	1	Projectile	W to E	N/K	19-Aug, 23:30
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	19-Aug, 23:32
	2-4km S	Recorded	1	Projectile	W to E	N/K	19-Aug, 23:38
	2-4km S	Recorded	1	Projectile	W to E	N/K	19-Aug, 23:45
	2-4km S	Recorded	1	Projectile	W to E	N/K	19-Aug, 23:46
	2-4km S	Recorded	2	Projectile	W to E	N/K	19-Aug, 23:56
	2-4km S	Recorded	2	Projectile	W to E	N/K	19-Aug, 23:58
	2-4km S	Recorded	1	Projectile	W to E	N/K	20-Aug, 00:05
	2-4km S	Recorded	2	Projectile	W to E	N/K	20-Aug, 00:09
	2-4km S	Recorded	1	Projectile	W to E	N/K	20-Aug, 00:10
	2-4km S	Recorded	2	Projectile	W to E	N/K	20-Aug, 00:11
	2-4km S	Recorded	1	Projectile	W to E	N/K	20-Aug, 00:15
	2-4km S	Recorded	2	Projectile	W to E	N/K	20-Aug, 00:16
	2-4km S	Recorded	1	Projectile	W to E	N/K	20-Aug, 00:19
	2-4km S	Recorded	1	Projectile	E to W	N/K	20-Aug, 00:20
	2-4km S	Recorded	1	Projectile	W to E	N/K	20-Aug, 00:23
	2-4km S	Recorded	1	Projectile	W to E	N/K	20-Aug, 00:27
	2-4km S	Recorded	1	Projectile	W to E	N/K	20-Aug, 00:30
	2-4km S	Recorded	1	Projectile	W to E	N/K	20-Aug, 00:46
	2-4km S	Recorded	2	Projectile	W to E	N/K	20-Aug, 00:48
	2-4km S	Recorded	1	Projectile	W to E	N/K	20-Aug, 00:49
	2-4km S	Recorded	4	Projectile	W to E	N/K	20-Aug, 00:53
	2-4km S	Recorded	1	Projectile	W to E	N/K	20-Aug, 01:03
	2-4km S	Recorded	1	Projectile	W to E	N/K	20-Aug, 01:04
	2-4km S	Recorded	1	Projectile	W to E	N/K	20-Aug, 01:04
	2-4km S	Recorded	12	Projectile	W to E	N/K	20-Aug, 01:06
	2-4km S	Recorded	18	Projectile	W to E	N/K	20-Aug, 01:07
	2-4km S	Recorded	1	Projectile	NW to SE	N/K	20-Aug, 01:07
	2-4km S	Recorded	7	Projectile	W to E	N/K	20-Aug, 01:08
	2-4km S	Recorded	5	Projectile	E to W	N/K	20-Aug, 01:08
	2-4km S	Recorded	1	Projectile	E to W	N/K	20-Aug, 01:09
	2-4km S	Recorded	1	Projectile	E to W	N/K	20-Aug, 01:10
	2-4km S	Recorded	3	Projectile	W to E	N/K	20-Aug, 01:10
	2-4km S	Recorded	4	Projectile	W to E	N/K	20-Aug, 01:34
	2-4km S	Recorded	7	Projectile	W to E	N/K	20-Aug, 01:35
	2-4km S	Recorded	1	Projectile	W to E	N/K	20-Aug, 01:36
	2-4km S	Recorded	1	Projectile	W to E	N/K	20-Aug, 02:37
	2-4km S	Recorded	1	Explosion	Undetermined, subsequent to previous event	N/K	20-Aug, 02:37
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	5-6km SW	Heard	4	Explosion	Undetermined	N/K	20-Aug, 09:53-10:01
About 1,5 km SE of Avdiivka (government-controlled, 17km N of Donetsk)	1-1.5km SE	Heard	2	Burst	Assessed as sound comes from shooting range	Small arms	20-Aug, 09:38
	1-1.5km SE	Heard	2	Shot	Assessed as sound comes from shooting range	Small arms	20-Aug, 09:55
	1-1.5km SE	Heard	1	Shot	Assessed as sound comes from shooting range	Small arms	20-Aug, 09:57
About 1.5km	3-5km W	Heard	1	Explosion	Undetermined	N/K	20-Aug, 12:22

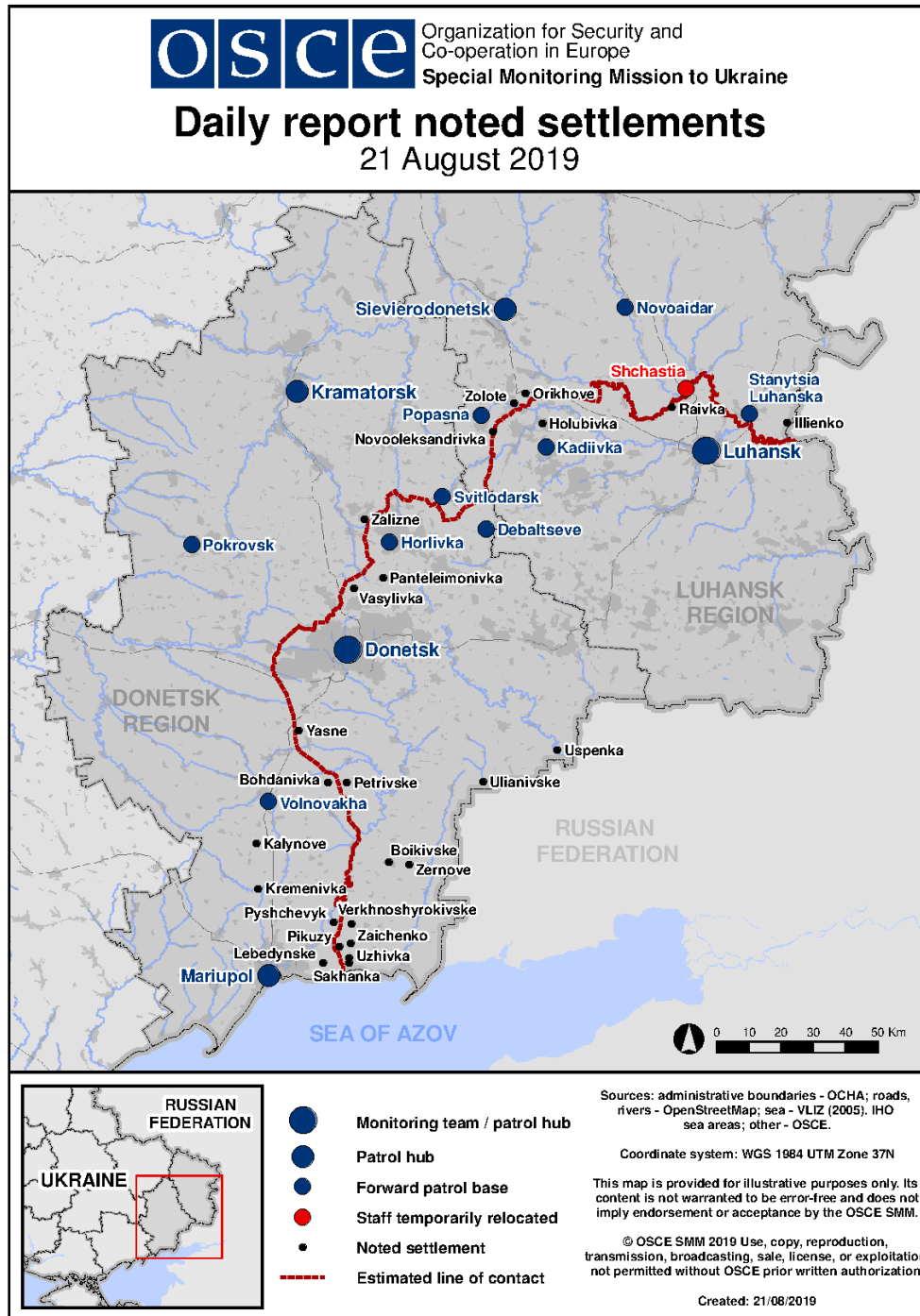
NW of Dokuchaievsk (non-government-controlled, 30km SW of Donetsk)							
3km SE of Lomakyne (government-controlled, 15km NE of Mariupol)	2km ENE	Heard	2	Shot		Small arms	20-Aug, 12:18
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-6km SSE	Heard	1	Explosion	Undetermined	N/K	19-Aug, 21:31
	3-6km SSE	Heard	1	Explosion	Undetermined	N/K	19-Aug, 22:03
	3-6km SSE	Heard	1	Explosion	Undetermined	N/K	19-Aug, 22:35
	4-6km SSE	Heard	1	Explosion	Undetermined	N/K	20-Aug, 07:44
Horlivka (non-government-controlled, 39km NE of Donetsk)	4-6km SSE	Heard	2	Explosion	Undetermined	N/K	20-Aug, 09:52-09:54
	2-3km W	Heard	2	Burst		HMG	19-Aug, 21:40
	2-3km W	Heard	2	Burst		HMG	19-Aug, 21:46
	2-3km W	Heard	2	Burst		HMG	19-Aug, 21:48
	3-5km W	Heard	1	Explosion	Undetermined	N/K	19-Aug, 21:48
	3-5km SW	Heard	9	Explosion	Undetermined	N/K	19-Aug, 22:24
	3-5km SW	Heard	2	Explosion	Undetermined	N/K	19-Aug, 22:28
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	19-Aug, 22:32
	5-7km SW	Heard	28	Explosion	Undetermined	N/K	20-Aug, 06:12-06:16
	5-7km SW	Heard	2	Explosion	Undetermined	N/K	20-Aug, 06:22
	3-5km WSW	Heard	16	Burst		HMG	20-Aug, 06:42-06:44
	2-3km W	Heard	1	Explosion	Undetermined	N/K	20-Aug, 09:07
	3-5km WSW	Heard	1	Explosion	Undetermined	N/K	20-Aug, 09:50
	2-3km W	Heard	1	Explosion	Undetermined	N/K	20-Aug, 09:55
	2-3km W	Heard	1	Explosion	Undetermined	N/K	20-Aug, 09:58
	3-5km WSW	Heard	1	Explosion	Undetermined	N/K	20-Aug, 10:03
	3-5km NW	Heard	1	Explosion	Undetermined	N/K	20-Aug, 10:56
	3-5km NW	Heard	2	Explosion	Undetermined	N/K	20-Aug, 11:00
	2-3km NW	Heard	5	Explosion	Undetermined	N/K	20-Aug, 11:07-11:09
	3-5km W	Heard	2	Explosion	Undetermined	N/K	20-Aug, 11:41
3-5km W	Heard	4	Explosion	Undetermined	N/K	20-Aug, 12:36-12:39	
3-5km SW	Heard	1	Explosion	Undetermined	N/K	20-Aug, 12:38	
3-5km SW	Heard	1	Explosion	Undetermined	N/K	20-Aug, 12:43	
About 7.5 km NW of Horlivka(Sakhta Gagarina) (non-government controlled, 39 km NE of Donetsk)	3-5km W	Heard	3	Explosion	Undetermined	N/K	20-Aug, 09:53-09:58
	3-5km W	Heard	1	Explosion	Undetermined	N/K	20-Aug, 10:02
	3-5km W	Heard	4	Explosion	Undetermined	N/K	20-Aug, 10:59-11:06
	3-5km W	Heard	2	Explosion	Undetermined	N/K	20-Aug, 11:08-11:10
	1-2km NW	Heard	1	Explosion	Undetermined	N/K	20-Aug, 11:55
	4-5km N	Heard	1	Explosion	Undetermined	N/K	20-Aug, 13:31
	5-8km W	Heard	3	Explosion	Undetermined	N/K	20-Aug, 13:47
E edge of Nelipivka (government-controlled, 40km NE of Donetsk)	2-3km SE	Heard	2	Explosion	Undetermined	N/K	20-Aug, 09:45
	2-3km SE	Heard	2	Explosion	Undetermined	N/K	20-Aug, 09:54
SW edge of Zalizne (formerly Artemove, government-	2-3km SE	Heard	1	Explosion	Undetermined	N/K	20-Aug, 10:21

controlled, 42km NE of Donetsk)							
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	1-2km SE	Heard	2	Shot		Small arms	20-Aug, 11:57-12:00
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	2-4km ENE	Recorded	1	Projectile	N to S	N/K	20-Aug, 00:59
E edge of Popasna (government-controlled, 69km W of Luhansk)	2-4km E	Recorded	1	Projectile	NNE to SSW	N/K	20-Aug, 01:05
0.3km SE of Stanytsia Luhanska Bridge (15km NE of Luhansk)	5-7km SE	Heard	8	Explosion	Undetermined	N/K	20-Aug, 00:53-01:08
S edge of the disengagement area near Zolote (government-controlled, 60km W of Luhansk)	500m E	Heard	1	Explosion	Undetermined (assessed as inside the disengagement area.)	N/K	20-Aug, 08:34
S edge of the disengagement area near Zolote (government-controlled, 60km W of Luhansk)	10-12km SW	Heard	3	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Aug, 09:54-10:00
Zolote-4/Rodina (government-controlled, 59km NW of Luhansk)	10-12km SW	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area.)	N/K	20-Aug, 10:46-10:55
N edge of Zolote-5/Mykhailivka (non-government-controlled, 58km W of Luhansk)	3-5km SW	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Aug, 11:40
Orikhove (government-controlled, 57km NW of Luhansk)	1-2km NW	Heard	1	Explosion	Undetermined (unable to assess as inside or outside the disengagement area)	N/K	20-Aug, 11:38
Holubivka (formerly Kirovsk, non-government-controlled, 51km W of Luhansk)	3-4km WSW	Heard	4	Explosion	Undetermined	N/K	20-Aug, 09:54-10:23
	3-4km WSW	Heard	3	Explosion	Undetermined	N/K	20-Aug, 10:34-11:04
	3-4km WSW	Heard	1	Explosion	Undetermined	N/K	20-Aug, 11:39
1km N of Trokhizbenka (government-controlled, 32km NW of Luhansk)	6-7km W	Heard	2	Explosion	Undetermined	N/K	20-Aug, 10:25-10:35
NE edge of	10-15km SE	Heard	2	Explosion	Undetermined	N/K	20-Aug, 10:27-10:34
	1km WNW	Heard	10	Shot	Assessed as	Small	20-Aug, 11:06-

Luhansk (non-government-controlled)					aimed at the SMM mini-UAV	arms	11:07
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## 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).