

Ministry of the Interior – General Directorate

Fire Rescue Service of the Czech Republic

Statistical Yearbook 2017

Czech Republic



Prague 2018

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Notes:

Dash (-)	event didn't occur or wasn't monitored	F	fatalities
Cross (x)	entry was omitted for logical reasons	I	injuries
Index %	compares the data of 2017 to the state in 2016 (unless stated otherwise)	FRS CR	Fire Rescue Service of the Czech Republic
PSAP	Public Safety Answering Point	VFU	Voluntary Fire Units
		IRS	Integrated Rescue System

Unless otherwise noted, data in tables and graphs for 2017

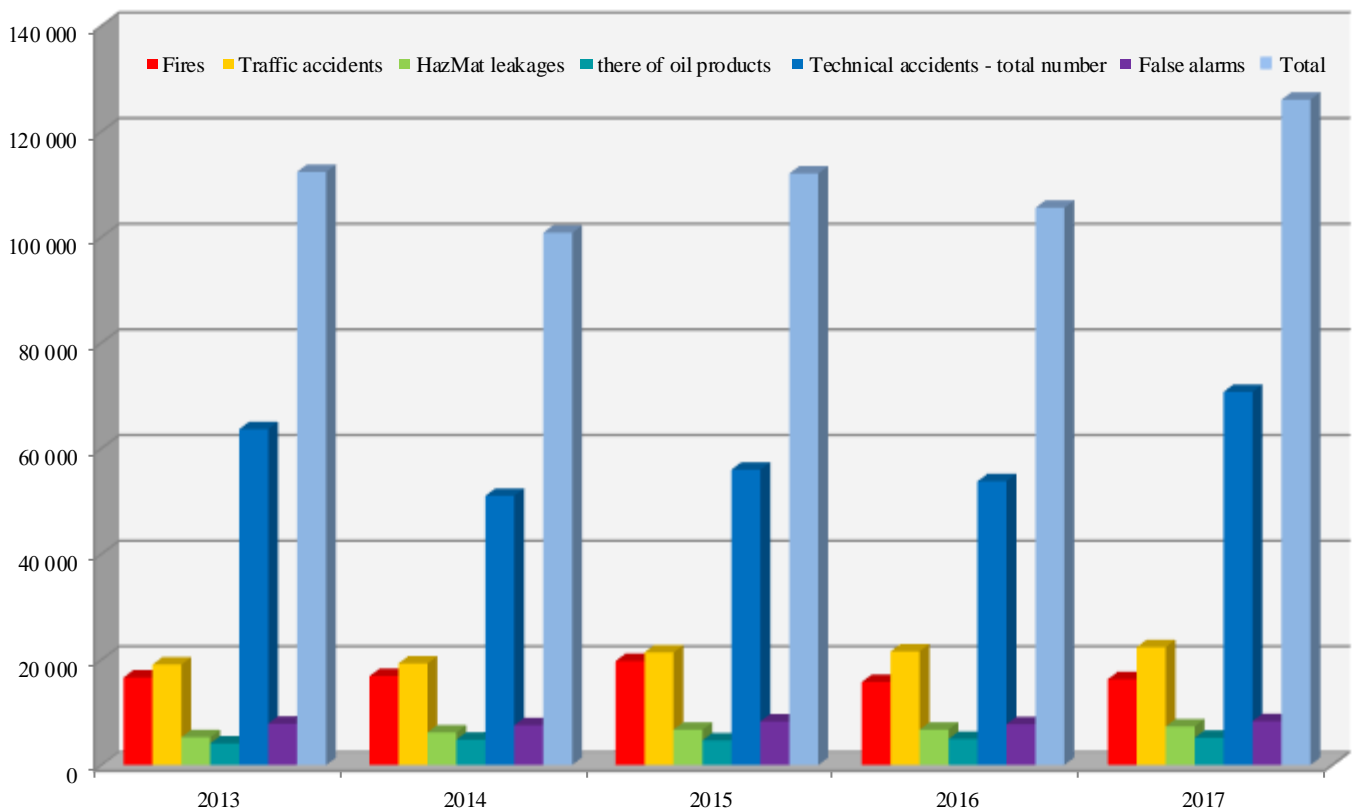
Fire units' activities

Number of particular types of incidents with fire units' intervention

Type of incident	Number of incidents					Share in % in total number	Index %
	2013	2014	2015	2016	2017		
Fires	16 563	16 851	19 685	15 730	16 249	12,9	103
Traffic accidents	19 023	19 219	21 330	21 521	22 329	17,7	104
HazMat leakages	5 253	6 161	6 693	6 698	7 304	5,8	109
there of oil products	4 107	4 793	4 675	4 923	5 190	4,1	105
Technical accidents - total number	63 596	50 965	55 928	53 714	70 647	56,1	132
there of technical accidents	4	9	7	6	7	0,0	117
technical assistances	57 103	44 967	49 525	47 845	63 550	50,4	133
technological assistances	860	617	747	427	515	0,4	121
other assistances	5 629	5 372	5 649	5 436	6 575	5,2	121
Radiation accidents	1	1	0	0	1	0,0	x
Other emergencies	8	52	75	92	1 134	0,9	1233
False alarms	7 837	7 527	8 273	7 735	8 310	6,6	107
Total	112 281	100 776	111 984	105 490	125 974	100,0	119

Note: The total number includes 24 incidents (there of 14 fires), that took place abroad with intervention of fire units from the CR or the intervention took place on both sides of the border. The total number includes also provided humanitarian assistances of the CR abroad.

Incidents



26,424 persons were rescued and 39,209 persons were evacuated by fire units during the interventions in 2017.

Interventions in natural disasters

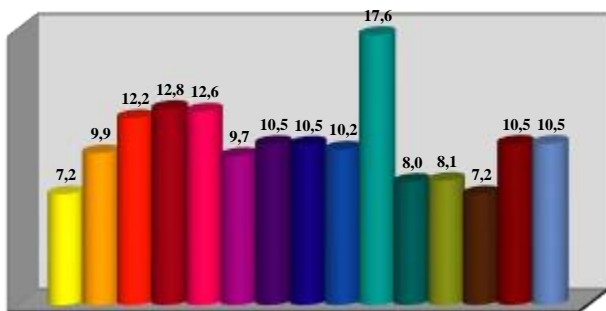
Type of intervention	2013	2014	2015	2016	2017
Fires	102	137	208	110	173
Traffic accidents	641	406	613	361	896
HazMat leakages	44	9	4	6	10
Technical accidents and others	31 007	15 297	12 885	11 707	30 881
Total	31 794	15 849	13 710	12 184	31 960

Summary information about incidents in the regions

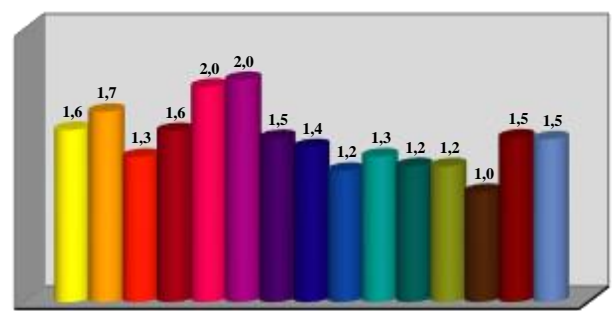
Type of incident	Capital of Prague	Central Bohemia	South Bohemia	Plzeň	Karlovy Vary	Ústí nad Labem
Fires	1 936	2 333	1 038	962	621	1 619
Traffic accidents	957	3 731	1 565	1 670	650	1 342
HazMat leakages	1 001	944	338	554	377	744
there of oil products	770	687	307	394	300	572
Technical accidents - total number	4 959	7 001	5 584	4 146	2 801	4 671
there of technical accidents	0	0	0	0	0	0
technical assistances	4 820	6 315	4 998	3 630	2 344	4 140
technological assistances	0	11	9	12	226	69
other assistances	139	675	577	504	231	462
Radiation accidents	1	0	0	0	0	0
Other emergencies	152	57	109	58	23	71
False alarms	1 112	723	528	446	320	781
Total	10 118	14 789	9 162	7 836	4 792	9 228
Index %	110	112	118	106	127	115

Number of incidents in the regions (per 1 000 inhabitants)

Total



Fires



Number of interventions (including multiple interventions) in particular types of incidents by type of fire unit

Type of incident	FRS CR			Municipal VFU		
	2017	2018	Index %	2017	2018	Index %
Fires	18 055	19 268	107	14 224	16 076	113
Traffic accidents	23 993	25 141	105	4 680	5 322	114
HazMat leakages	6 434	7 008	109	1 332	1 519	114
there of oil products	4 328	4 427	102	1 060	1 181	111
Technical accidents - total number	44 492	53 369	120	17 164	29 104	170
there of technical accidents	16	13	81	9	12	133
technical assistances	39 774	47 676	120	15 951	27 264	171
technological assistances	217	277	128	86	67	78
other assistances	4 485	5 403	120	1 118	1 761	158
Radiation accidents	0	6	x	0	0	x
Other emergencies	178	1 435	806	6	180	3000
False alarms	6 673	7 193	108	2 229	2 430	109
Total	99 825	113 420	114	39 635	54 631	138

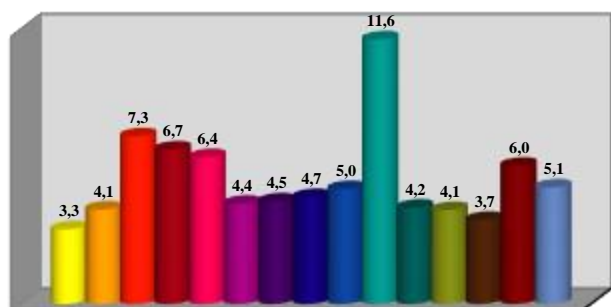
Basic information on fire units

Basic information	Fires					
	2013	2014	2015	2016	2017	Index %
Number of intervention	31 799	33 514	43 943	33 707	36 603	109
there of interventions in other regions	12	19	40	30	87	290
Number of incidents with multiple interventions	x	x	x	x	x	x
Total number of multiple interventions	x	x	x	x	x	x
Number of incidents in the 3rd and special stage of alert	15	17	49	24	38	158
Number of intervening firefighters	175 073	183 330	236 877	182 442	197 188	108
Average number of firefighters per intervention	5,51	5,47	5,39	5,41	5,39	100
Average distance to incident in kilometres	7,32	7,46	8,33	7,64	8,13	106
Average intervention time in minutes	103	124	133	112	117	104
Number of incidents with use of protective equipment	3 414	3 603	4 030	3 750	3 851	103
Number of incidents with use of heat protective clothing	12	1	1	3	0	0
with chemical clothing	2	2	0	6	10	167
with air breathing apparatus	5 098	6 264	6 164	6 545	6 099	93
with oxygen breathing apparatus	3	6	7	3	13	433

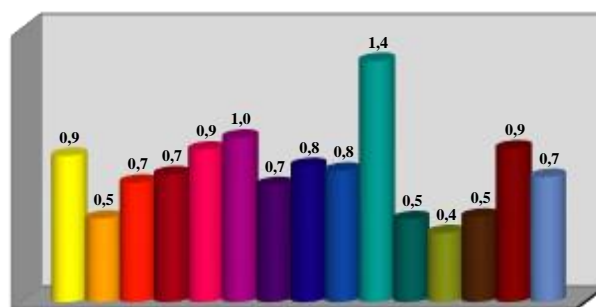
Liberec	Hradec Králové	Pardubice	Vysočina	South Moravian	Olomouc	Zlín	Moravian-Silesian	CR
674	664	648	719	1 726	862	695	1 752	16 249
1 222	1 723	1 491	1 390	2 268	1 386	1 013	1 921	22 329
467	412	297	356	620	317	278	599	7 304
378	336	218	271	269	189	171	328	5 190
2 791	3 794	4 362	6 816	6 740	4 195	3 077	9 710	70 647
1	4	1	0	1	0	0	0	7
2 601	3 480	3 686	6 303	6 070	3 902	2 647	8 614	63 550
2	4	12	123	7	1	9	30	515
187	306	663	390	662	292	421	1 066	6 575
0	0	0	0	0	0	0	0	1
33	24	20	41	147	76	127	196	1 134
283	410	423	681	571	377	342	1 313	8 310
5 470	7 027	7 241	10 003	12 072	7 213	5 532	15 491	125 974
118	122	138	111	128	140	131	121	119

Note: The total number does not include humanitarian assistance provided from the CR abroad.

Technical interventions



False alarms



Enterprises FRS			Enterprises VFU			Other unit			Total		
2016	2017	Index %	2016	2017	Index %	2016	2017	Index %	2016	2017	Index %
1 125	1 140	101	94	96	102	209	23	11	33 707	36 603	109
1 299	1 336	103	16	6	38	63	3	5	30 051	31 808	106
573	672	117	31	39	126	13	1	8	8 383	9 239	110
444	539	121	31	33	106	3	0	0	5 866	6 180	105
2 793	3 745	134	312	307	98	101	16	16	64 862	86 541	133
0	1	x	0	0	x	0	0	x	25	26	104
2 163	3 041	141	200	214	107	96	14	15	58 184	78 209	134
110	117	106	65	87	134	0	0	x	478	548	115
520	586	113	47	6	13	5	2	40	6 175	7 758	126
0	0	x	0	0	x	0	0	x	0	6	x
22	25	114	0	0	x	20	10	50	226	1 650	730
1 948	1 880	97	765	534	70	19	5	26	11 634	12 042	104
7 760	8 798	113	1 218	982	81	425	58	14	148 863	177 889	119

Technical intervention						False alarms					
2013	2014	2015	2016	2017	Index %	2013	2014	2015	2016	2017	Index %
116 167	96 839	104 334	103 522	129 244	125	10 510	10 718	12 207	11 634	12 042	104
241	198	120	107	269	251	10	16	6	4	13	325
1 043	535	349	375	1 370	365	44	39	36	41	40	98
6 989	2 624	1 430	1 819	5 815	320	506	460	615	485	600	124
50	6	1	0	0	x	0	0	0	0	0	x
460 324	413 986	454 361	447 335	565 214	126	49 778	52 769	58 126	57 117	60 745	106
4,22	4,39	4,42	4,40	4,37	99	4,98	5,14	5,01	5,12	5,04	98
7,54	7,53	7,56	7,49	7,35	98	4,78	4,95	5,10	4,96	4,96	100
133	62	85	70	71	102	13	14	14	28	28	102
503	489	522	458	603	132	64	41	43	27	31	115
7	3	2	1	1	100	0	1	0	0	0	x
128	60	53	44	54	123	1	0	0	0	0	x
507	543	545	502	637	127	64	39	43	27	32	119
2	2	4	2	3	150	0	0	0	0	0	x

Summary - fire units' interventions in districts and regions

District (region)	Interventions in total		FRS CR interventions			Municipal VFU interventions			Enterprises FRS interventions			Other units interventions	
	Number	Ind.%	Number	Ind.%	% in total	Number	Ind.%	% in total	Number	Ind.%	% in total	Number	% in total
Capital of Prague	13 472	113	10 412	113	77,3	931	117	6,9	1 340	116	9,9	26	0,2
Benešov	2 287	125	1 290	114	56,4	951	144	41,6	40	121	1,7	0	0,0
Beroun	1 701	109	1 115	109	65,5	553	113	32,5	32	123	1,9	1	0,1
Kladno	2 210	115	1 512	105	68,4	653	149	29,5	28	112	1,3	0	0,0
Kolín	1 553	134	1 021	126	65,7	412	161	26,5	118	139	7,6	0	0,0
Kutná Hora	1 191	138	803	124	67,4	342	182	28,7	45	173	3,8	0	0,0
Mělník	1 863	122	1 095	113	58,8	556	150	29,8	202	108	10,8	1	0,1
Mladá Boleslav	2 078	105	1 435	103	69,1	440	112	21,2	195	105	9,4	1	0,0
Nymburk	1 509	112	957	109	63,4	495	125	32,8	56	79	3,7	0	0,0
Praha - východ	3 442	113	1 968	108	57,2	1 325	121	38,5	130	98	3,8	1	0,0
Praha - západ	3 071	119	1 745	108	56,8	1 237	139	40,3	68	128	2,2	0	0,0
Příbram	1 921	100	1 187	99	61,8	718	104	37,4	13	68	0,7	2	0,1
Rakovník	1 214	124	644	103	53,0	560	162	46,1	7	175	0,6	2	0,2
Central Bohemia	24 040	116	14 772	109	61,4	8 242	133	34,3	934	110	3,9	8	0,0
České Budějovice	2 790	113	2 096	105	75,1	607	161	21,8	87	96	3,1	0	0,0
Český Krumlov	1 628	124	1 012	109	62,2	502	151	30,8	114	193	7,0	0	0,0
Jindřichův Hradec	1 782	117	948	103	53,2	816	144	45,8	18	49	1,0	0	0,0
Písek	939	100	680	104	72,4	244	93	26,0	15	68	1,6	0	0,0
Prachatice	1 420	166	678	123	47,7	703	255	49,5	38	200	2,7	1	0,1
Strakonice	1 092	111	783	105	71,7	256	140	23,4	40	98	3,7	13	1,2
Tábor	1 539	135	952	116	61,9	548	188	35,6	38	181	2,5	1	0,1
South Bohemia	11 190	121	7 149	108	63,9	3 676	161	32,9	350	121	3,1	15	0,1
Domažlice	1 193	102	663	93	55,6	513	117	43,0	15	125	1,3	0	0,0
Klatovy	1 980	103	1 288	105	65,1	647	109	32,7	25	100	1,3	14	0,7
Plzeň - jih	1 143	108	712	101	62,3	403	119	35,3	25	208	2,2	0	0,0
Plzeň - město	2 291	105	2 063	106	90,0	150	82	6,5	67	140	2,9	1	0,0
Plzeň - sever	1 272	98	824	98	64,8	420	97	33,0	23	135	1,8	1	0,1
Rokycany	995	114	645	105	64,8	337	142	33,9	8	57	0,8	0	0,0
Tachov	1 497	121	907	112	60,6	571	140	38,1	17	113	1,1	0	0,0
Plzeň	10 371	106	7 102	104	68,5	3 041	115	29,3	180	126	1,7	16	0,2
Cheb	2 143	145	1 341	131	62,6	659	188	30,8	136	136	6,3	4	0,2
Karlovy Vary	2 800	137	1 108	112	39,6	1 563	167	55,8	119	103	4,3	8	0,3
Sokolov	2 130	139	1 151	132	54,0	885	163	41,5	90	83	4,2	1	0,0
Karlovy Vary	7 073	140	3 600	125	50,9	3 107	170	43,9	345	106	4,9	13	0,2
Děčín	2 429	126	1 249	114	51,4	1 100	139	45,3	77	208	3,2	3	0,1
Chomutov	1 893	116	821	106	43,4	800	137	42,3	271	100	14,3	1	0,1
Litoměřice	1 290	100	929	99	72,0	297	105	23,0	62	95	4,8	2	0,2
Louny	1 376	118	856	110	62,2	482	134	35,0	38	141	2,8	0	0,0
Most	1 579	118	911	110	57,7	272	174	17,2	394	111	25,0	0	0,0
Teplice	1 534	111	945	107	61,6	439	119	28,6	143	113	9,3	7	0,5
Ústí nad Labem	1 468	118	984	109	67,0	322	176	21,9	162	105	11,0	0	0,0
Ústí nad Labem	11 569	116	6 695	108	57,9	3 712	136	32,1	1 147	111	9,9	13	0,1
Česká Lípa	2 789	131	1 237	120	44,4	1 476	141	52,9	71	169	2,5	0	0,0
Jablonec nad Nisou	1 489	106	902	101	60,6	536	113	36,0	51	124	3,4	0	0,0
Liberec	3 140	112	1 674	105	53,3	1 242	120	39,6	216	115	6,9	7	0,2
Semily	1 738	152	946	137	54,4	759	173	43,7	32	200	1,8	0	0,0
Liberec	9 156	122	4 759	113	52,0	4 013	134	43,8	370	129	4,0	7	0,1
Hradec Králové	2 739	118	1 873	116	68,4	767	121	28,0	77	164	2,8	11	0,4
Jičín	1 368	117	887	112	64,8	414	129	30,3	58	102	4,2	0	0,0
Náchod	2 074	113	1 310	112	63,2	719	112	34,7	19	158	0,9	20	1,0
Rychnov nad Kněžnou	1 944	119	897	106	46,1	775	148	39,9	260	100	13,4	0	0,0
Trutnov	2 269	130	1 249	118	55,0	984	146	43,4	35	233	1,5	0	0,0
Hradec Králové	10 394	119	6 216	113	59,8	3 659	131	35,2	449	115	4,3	31	0,3
Chrudim	2 053	135	1 266	119	61,7	777	170	37,8	10	250	0,5	0	0,0
Pardubice	2 412	135	1 633	120	67,7	593	218	24,6	181	118	7,5	0	0,0
Svitavy	2 253	160	1 565	146	69,5	659	207	29,2	27	150	1,2	0	0,0
Ústí nad Orlicí	3 043	145	1 865	137	61,3	921	178	30,3	250	117	8,2	7	0,2
Pardubice	9 761	143	6 329	130	64,8	2 950	188	30,2	468	120	4,8	7	0,1
Havlíčkův Brod	2 320	114	1 536	100	66,2	700	159	30,2	79	130	3,4	0	0,0
Jihlava	2 481	95	1 590	89	64,1	528	126	21,3	178	77	7,2	178	7,2
Pelhřimov	2 297	121	1 268	104	55,2	993	151	43,2	18	164	0,8	13	0,6
Třebíč	2 103	111	1 396	110	66,4	475	132	22,6	227	88	10,8	0	0,0
Žďár nad Sázavou	2 733	116	1 636	101	59,9	932	159	34,1	13	87	0,5	149	5,5
Vysočina	11 934	111	7 426	100	62,2	3 628	147	30,4	515	89	4,3	340	2,8

District (region)	Interventions in total		FRS CR interventions			Municipal VFU interventions			Enterprises FRS interventions			Other units interventions	
	Number	Ind.%	Number	Ind.%	% in total	Number	Ind.%	% in total	Number	Ind.%	% in total	Number	% in total
Blansko	1 977	118	1 102	109	55,7	835	134	42,2	24	104	1,2	0	0,0
Brno - město	5 086	121	4 436	120	87,2	529	141	10,4	76	117	1,5	0	0,0
Brno - venkov	4 152	123	2 851	115	68,7	1 197	148	28,8	81	140	2,0	0	0,0
Břeclav	1 970	142	1 211	136	61,5	715	152	36,3	38	136	1,9	0	0,0
Hodonín	2 007	147	1 179	139	58,7	800	165	39,9	24	86	1,2	0	0,0
Vyškov	1 537	106	1 065	103	69,3	436	116	28,4	26	144	1,7	0	0,0
Znojmo	1 957	158	1 231	134	62,9	711	224	36,3	10	167	0,5	0	0,0
South Moravia	18 686	127	13 075	120	70,0	5 223	151	28,0	279	123	1,5	0	0,0
Jeseník	926	126	533	120	57,6	366	131	39,5	12	200	1,3	13	1,4
Olomouc	3 367	133	2 256	127	67,0	1 018	152	30,2	89	106	2,6	2	0,1
Prostějov	1 933	158	1 138	137	58,9	756	201	39,1	39	229	2,0	0	0,0
Přerov	2 085	133	1 417	134	68,0	552	136	26,5	116	116	5,6	0	0,0
Šumperk	2 222	155	1 251	143	56,3	928	174	41,8	39	163	1,8	0	0,0
Olomouc	10 533	141	6 595	132	62,6	3 620	160	34,4	295	128	2,8	15	0,1
Kroměříž	1 276	132	924	125	72,4	324	158	25,4	27	117	2,1	1	0,1
Uherské Hradiště	1 602	134	906	113	56,6	448	191	28,0	15	79	0,9	233	14,5
Vsetín	2 230	124	1 039	120	46,6	783	129	35,1	112	135	5,0	294	13,2
Zlín	2 765	138	1 882	137	68,1	708	150	25,6	164	113	5,9	11	0,4
Zlín	7 873	132	4 751	126	60,3	2 263	149	28,7	318	118	4,0	539	6,8
Bruntál	2 154	133	1 117	118	51,9	992	156	46,1	25	109	1,2	9	0,4
Frýdek - Místek	4 475	130	2 256	121	50,4	1 694	152	37,9	524	113	11,7	0	0,0
Karviná	3 562	112	2 602	110	73,0	826	113	23,2	131	144	3,7	0	0,0
Nový Jičín	2 913	124	1 347	112	46,2	1 349	133	46,3	214	162	7,3	0	0,0
Opava	2 726	119	1 523	118	55,9	1 034	126	37,9	165	98	6,1	0	0,0
Ostrava	5 958	116	4 558	112	76,5	651	131	10,9	747	134	12,5	1	0,0
Moravian-Silesian	21 788	121	13 403	114	61,5	6 546	136	30,0	1 806	126	8,3	10	0,0

Proportion of types of fire units in the total number of interventions

FRS CR	63.8 % of all interventions Total number of 241 fire units registered (as of December 31, 2017).
Municipality VFU	30.7 % of all interventions Total number of 6 867 fire units (as of December 31, 2017), from which 236 fire units category II, 1 352 fire units category III, 5 279 fire units category V. From the total number as many as 781 (11.4%) fire units operated in only one intervention and 2 736 (39.9 %) fire units didn't operated at all. The main types of interventions were fires, technical assistances and traffic accidents.
Enterprises FRS	4.9 % of all interventions Total of 96 fire units (as of December 31, 2017), from those 16 military fire units. The main types of interventions were technical and technological assistances and false alarms.
Enterprises VFU	0.6 % of all interventions Total of 143 fire units (as of December 31, 2017). The main types of interventions were fires and false alarms.

Number of firefighter's fatalities and injuries in interventions

Category	2013		2014		2015		2016		2017		Index %	
	F	I	F	I	F	I	F	I	F	I	F	I
Professional firefighters	0	316	0	307	0	324	0	283	1	236	x	83
Voluntary firefighters	0	119	0	121	0	137	0	123	1	209	x	170
Total	0	435	0	428	0	461	0	406	2	445	x	110

On 15th February 2017 1 professional firefighter died in the fire of paint shop in Zvole and on 26th August 2017 1 voluntary firefighter died on departure to reported fire of stubble in Žeravice.

Number of particular fire units' activities

Activity type	FRS CR		Municipal VFU		Enterprises FRS		Enterprises VFU and others	Total	
	Number	Index %	Number	Index %	Number	Index %	Number	Number	Index %
fire assistance	353	143	488	156	57	83	11	909	142
assistance on searching or elimination of explosives	104	79	13	87	20	74	1	138	77
reconnaissance	104 662	114	42 169	136	7 666	118	558	155 055	119
use of fire extinguisher	392	86	227	99	86	85	17	722	90
use of simple fire extinguisher	1 603	110	1 122	118	136	107	5	2 866	113
D water stream	253	118	286	166	28	112	27	594	143
C water stream	3 877	100	4 301	109	330	95	125	8 633	104
B water stream	159	95	244	130	19	146	5	427	115
water foam monitor stream water	342	130	539	157	50	81	9	940	140
high - pressure water	6 209	101	2 211	129	291	129	16	8 727	108
light expansion foam	2	67	1	100	1	100	2	6	120
medium expansion foam	155	187	25	167	11	138	0	191	180
low expansion foam	105	114	30	125	13	65	2	150	110
soaking agent	397	95	219	124	12	55	1	629	102
powder from mobile equipment	1	20	0	x	0	0	0	1	17
inert gasses from mobile equipment	19	68	0	0	5	50	0	24	60
special technical equipment and extinguishing agents	248	115	88	117	7	117	0	343	115
water pumping	878	87	1 409	74	168	116	16	2 471	80
long-distance water supply with hoses	41	95	117	90	2	200	0	160	91
shuttle water supply	380	120	1 108	114	43	253	4	1 535	117
water refill	1 226	109	2 469	116	111	101	2	3 808	112
cooling	801	95	356	98	76	93	51	1 284	98
natural ventilation	3 880	103	917	105	231	91	64	5 092	103
forced ventilation	1 349	99	470	111	77	83	3	1 899	101
insulation, separation of substances	82	132	16	145	15	115	0	113	126
neutralisation	41	84	2	50	28	400	0	71	118
dilution	58	98	23	153	16	100	0	97	107
substances pump - over	291	106	36	171	25	100	5	357	111
bordering and obstructing after leaked substance	1 223	111	201	137	94	119	21	1 539	114
collecting of leaked substance (excl. oil substances)	351	106	45	136	62	105	10	468	110
identification of leaked substance	664	93	71	109	69	128	4	808	96
sampling	343	121	10	83	5	100	1	359	119
gas concentration measurement	3 195	113	85	102	115	86	0	3 395	112
securing of place of accident	13 915	99	3 168	114	678	101	10	17 771	101
securing of place of air equipment landing	717	110	193	197	8	267	0	918	121
removing of after-effect traffic accident	9 840	93	2 046	108	539	98	3	12 428	96
traffic control	8 444	102	5 100	178	218	138	2	13 764	122
removing of obstacles from roads and other areas	19 414	139	14 627	252	1 648	176	29	35 718	172
cleaning-up of oil products (vehicle's filling)	11 100	98	2 339	111	480	115	24	13 943	100
fire protection measures	12 839	98	2 563	126	206	118	10	15 618	102
surroundings securing	1 284	121	757	143	47	127	9	2 097	129
lighting the place of intervention	2 642	106	1 694	144	206	114	1	4 543	118
water surface intervention	524	149	147	124	9	82	1	681	141
intervention on and under water surface	240	124	93	90	2	100	0	335	112
operating the dangerous equipment	106	166	51	189	4	57	0	161	163
provisional repair	1 682	172	770	412	132	125	7	2 591	203
construction dismantling	2 666	112	2 249	120	115	128	17	5 047	116
water, gas, electricity etc. closing	2 803	107	457	115	55	79	11	3 326	107
breaking into closed space	13 268	107	1 187	113	87	109	9	14 551	107
snow and ice removing	699	1 487	211	1055	40	211	4	954	1109
intervention at height using climbing equipment	410	89	251	386	52	236	25	738	134
intervention at height and depth	5 020	139	1 152	166	130	149	10	6 312	144
persons searching	428	104	521	139	33	65	3	985	116
searching persons in rubbles	21	55	17	340	0	x	0	38	86
searching and rescue of persons from water	125	84	53	133	0	0	0	178	94
extrication of persons from depth	148	125	43	205	6	x	0	197	142
extrication of persons at heights	126	120	11	73	0	0	1	138	112
extrication of persons from crashed vehicles	1 289	99	319	127	21	70	0	1 629	103
extrication of persons from lifts	1 114	110	56	140	122	111	17	1 309	112
extrication of persons from collapsed buildings	9	53	4	57	0	x	0	13	52
transport of patients	7 534	121	1 704	140	447	99	61	9 746	123
rescue of persons - another	3 456	124	366	121	54	169	7	3 883	124
pre-medical treatment	5 081	113	1 445	131	468	128	73	7 067	117
cooperation in medical treatment of patient	4 592	112	980	144	70	83	5	5 647	116

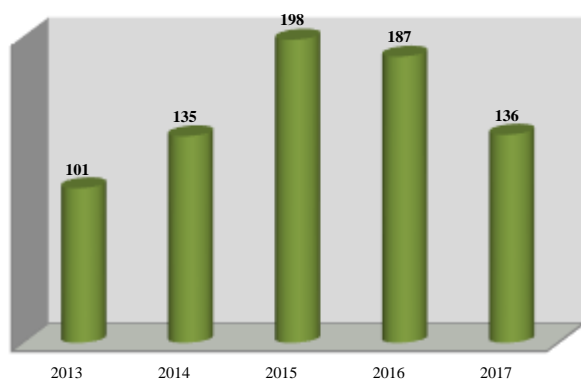
Activity type	FRS CR		Municipal VFU		Enterprises FRS		Enterprises VFU and others	Total	
	Number	Index %	Number	Index %	Number	Index %		Number	Index %
extrication of material	749	115	272	160	50	125	2	1 073	124
capture of animals including searching	1 512	182	378	117	38	93	3	1 931	162
capture and elimination of insects	1 936	37	1 151	50	72	50	2	3 161	41
evacuation of inhabitants from objects	418	107	163	103	166	105	1	748	105
evacuation of inhabitants - areal	36	97	22	92	18	78	0	76	89
evacuation of material	240	107	249	95	7	117	1	497	100
evacuation of animals, rescue of animals	703	109	210	117	6	55	1	920	110
establishment and providing operation in evacuation center	3	100	3	43	0	x	0	6	60
marking of dangerous areas	652	175	418	398	32	152	2	1 104	220
decontamination of persons, incl. firefighters	479	958	18	600	5	167	0	502	881
decontamination of equipment	406	1692	17	x	10	250	0	433	1 546
floods - preparedness measures	33	106	107	132	0	x	0	140	125
floods - elimination of after-effect	32	29	188	55	0	0	0	220	48
transport of drinking water, food and articles for survival	40	114	42	98	1	x	0	83	106
dispensing and distribution of drinking water and food	94	93	54	200	2	40	0	150	113
providing of technical equipment for IRS bodies	400	127	65	224	4	57	1	470	134
logistics	216	106	155	85	4	200	0	375	97
water streams monitoring	206	99	227	160	6	86	1	440	123
waiting for special services	1 880	118	409	149	190	101	2	2 481	120
taking pictures, videos	20 465	123	2 744	136	1 983	146	11	25 203	125
use of thermal imaging camera	4 784	108	359	118	188	103	10	5 341	109
standby on the place of intervention	2 231	108	4 722	110	190	106	7	7 150	109
standby on own fire station	19	90	1 000	132	5	125	0	1 024	131
standby on the fire station	310	110	1 045	109	3	150	2	1 360	109
others	5 800	128	1 801	118	689	136	7	8 297	126
fire unit didn't intervene (call off on the way to accident)	3 420	115	1 619	123	173	130	7	5 219	117
Total	312 284	111	121 310	135	19 588	119	1 359	454 541	117

Incidents with intervention of military fire units

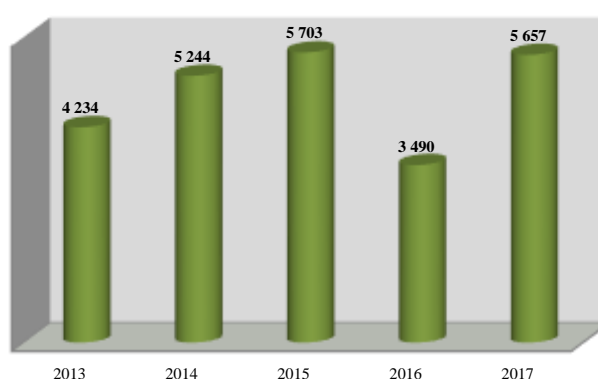
	2013	2014	2015	2016	2017	Index %
Fires under MoD area	101	135	198	187	136	73
losses (thousands CZK)	798,0	9 132,0	2 794,0	1 410,0	300,0	21
salvaged values (thousands CZK)	128 425,0	13 237,0	125 429,0	39 960,0	10 092,0	25
Fires outside the MoD area	9	6	19	29	14	48
Technical assistances under MoD area	4 234	5 244	5 703	3 490	5 657	162
Technical assistances outside the area of MoD	18	23	18	10	28	280

Under the Act No. 133/1985 Coll. on fire protection, as amended, fire supervision under the MoD area of responsibility is provided by fire protection bodies of the MoD in accordance with § 85a. Military Fire Supervision body provides fire supervision of military objects, units and in institutions established by legal entities or by MoD in extent of § 31 (The act No. 133/1985 Coll. on Fire Protection, as amended). Military Fire Supervision body has 7 employees. Military fire units operate as enterprises FRS units according to § 65 a No. 133/1985 Coll. on Fire Protection, as amended. The number of military fire units station in the Czech Army are in total 16 with 24 hours/day duty. Military fire units can be used for assistance in emergencies to support Integrated Rescue System. The number of firefighters in military fire units are in total 529.

Fires under MoD area



Technical assistances under MoD area



Fires cases with loss of 10 million CZK and higher, emergencies in the 3rd stage and special stage of alert

Region	Date	Description (type of the event, place and detailed information)
Capital of Prague	16. 2.	fire of wooden building, Praha-Michle, area of 10 x 30 m, dismantling the construction, extinguished by two CCS (Cold Cut System) Cobra
	24. 7.	fire of hotel, Praha-Nové město, area of ignited insulation of wiring 0,5 x 21 m, dismantling the constructions, evacuation and rescue of persons and material
	24. 8.	fire of building for conduct of business, Praha-Michle, area of 30 x 30 m, extinguished by CCS Cobra, measurement of the concentration in the air, shuttle water transport
	12. 10.	fire of polystyrene insulating panels and of tar covering on the building site, Praha-Holešovice, area of 20 x 30 m, evacuation and rescue of employees from crane
	5. 12.	fire of production and storage hall, Praha-Vinoř, area of 60 x 15 m, danger of explosion or destruction, fumed and presence of gaseous toxic substances, Chemical Laboratory Kamenice intervention, extinguished by CCS Cobra, dismantling the construction, shuttle water transport, 1 firefighter and 2 policemen injured
Central Bohemia	14. 2.	fire of paint shop, Zvole, Praha-west, presence of HazMat, danger of explosion or destruction, fumed and presence of gaseous toxic substances, Chemical Laboratory Kamenice intervention, searching person in debris, dismantling the construction, shuttle water transport, works at heights and depths, 4 firefighters injured and 1 firefighter died
	10. 5.	fire of tyres, Ostředek-Bělčice, Benešov, area of 15 x 30 m, loaders of Emergency Unit of FRS CR transported affected material for water pouring, shuttle water transport, useage of low expansion foam, 12-days long intervention
	30. 7.	fire of field, Bystřice - Benešov, area of 45 hectares, intervention was more difficult due to strong wind, extinguishing by water sprinkler fire trucks, extinguish by airplane, shuttle water transport, 1 firefighter injured
	2. 8.	fire of combine harvester and field, Chrástřany - Kolín, area of 15 hectares, intervention was more difficult due to strong wind, extinguished by water sprinkler fire trucks, extinguished by airplane, shuttle water transport
	4. 8.	fire of field, Vodochody, Praha-east, area of 24 hectares, fumed and presence of gaseous toxic substances, extinguished by simple extinguishing means and by airplane, means and forces of FRS of Capital of Prague were used, shuttle water transport, 1 firefighter injured
	12. 8.	fire of flooring material production hall, Bohutín - Příbram, area of 20 x 30 m, roof collapsed inside the building, dismantling the construction, shuttle water transport
	4. 9.	fire of plastic products manufacture, Ouběnice - Příbram, area of 130 x 15 m, cylinders exploded during the intervention, oils products present, damming of local stream to prevent its contamination, shuttle water transport
	28. 9.	fire of car showroom, Mladá Boleslav, area of 200 m ² , exhibition hall with 6 cars, ceiling collapse
	20. 10.	fire of sorting house for paper and plastic, Kamenné Žehrovice - Kladno, fast fire spreading, oil leakage from hydraulic press, dismantling the construction, cooperation with Emergency unit of FRS CR, loaders transported affected material for water pouring, shuttle water transport, useage of low and light expansion foam, 3-days long intervention, 2 firefighters injured
	18. 11.	fire of wooden roadside coffee house, Hlavenec, Praha-east, danger of explosion or destruction, fumed and presence of gaseous toxic substances, multiple sources of the fire, huge amount of edible oils, means and forces of FRS of Capital of Prague were used in cooperation with Emergency Unit of FRS CR, extinguished by CCS Cobra and by airplane, dismantling the construction, shuttle water transport
South Bohemia	3. 5.	fire of plastic products manufacture, České Budějovice, area of 60 x 30 m, fumed and presence of gaseous toxic substances
	8. 8.	fire of chimney, Planá nad Lužnicí - Tábor, height of the chimney was 85 m, employees tried to extinguish the fire before the arrival of the fire units, fibreglass fallen off pieces set the fire of the opposite roof, area of 6 x 10 m, extinguished by CCS Cobra
Plzeň	29. 1.	fire of family house, Oselce, Plzeň-south, the fire spread towards adjacent garages, sheds and storage of wood and coal, fumed and presence of gaseous toxic substances, very low temperature, shuttle water transport, means and forces of FRS of South Bohemia region were used, 1 firefighter injured
	27. 3.	forest fire, Brniřov - Domažlice, difficult road access to the spot of intervention, intervention was more difficult due to strong wind, shuttle water transport
	30. 6.	fire of storage hall of technical gasses, Planá - Tachov, employee tried to extinguish the fire before the arrival of the fire unit, area of 880 m ² , presence of HazMat - technical gases, the explosion caused the fire of whole storage hall, fumed and presence of gaseous toxic substances, Chemical Laboratory Třemošná intervention, danger of explosion or destruction, shuttle water transport, 1 firefighter injured
	31. 7.	fire of field, Zhoř - Tachov, area of 25 hectares, fire spread into forest, extinguished by water sprinkler fire trucks, shuttle water transport
	8. 9.	fire of store of hay and straw, Chotěšov, Plzeň-south, difficult road access to the spot of intervention, fire spread into stable, shuttle water transport, useage of low expansion foam
Karlovy Vary	18. 6.	fire of storage hall of liquid fuel, Cheb-Hradiště, 21 german firefighters from Waldassen intervened, dismantling the construction, shuttle water transport
	20. 7.	fire of hotel, Karlovy Vary, fumed and presence of gaseous toxic substances, evacuation and rescue of persons
Ústí nad Labem	22. 1.	fire of production's hall of plastic components for cars in industrial zone, Havraň - Most, the intervention was complicated by very heavy fog, by low temperature -13 °C, by slippery ground, hoses were destroyed by oil poured from oil basin, presence of unknown HazMat, leakage of flammable substance, danger of explosion or destruction from cylinders, shuttle water transport, useage of low expansion foam
	15. 6.	fire of waste dump, Kadaň - Chomutov, area of 100 x 100 m, loaders transported affected material for water pouring, shuttle water transport, useage of low expansion foam, 1 firefighter injured
	28. 8.	fire of waste dump, Litvínov - Most, area of 100 x 100 m, difficult road access to the spot of intervention, shuttle water transport, useage of low and light expansion foam, 3-days long intervention, 2 firefighters injured
	26. 10.	fire of biodegradation dump, Litvínov - Most, intervention was complicated due to strong wind, fire spread toward oil lagoons, cooling the barrels with resin and oil sediments, Chemical Laboratory Třemošná intervention, useage of simple extinguishing means, shuttle water transport
	12. 12.	fire of technological equipment, Litvínov - Most, explosion preceded fire, release and burning of hydrogen, multiple sources of fire, next explosion increased the intension of burning, cylinders present

Cause	Number of fatalities	Number of injuries	Number of rescued or evacuated person	Loss (in million CZK)	Salvaged values (in million CZK)	Number of fire units	Stage of alert
unproven fault						14	3.
technical failure of wiring			80	16,4		5	1.
under investigation				10,0	5,0	16	2.
negligence		4		10,0	2,0	5	1.
under investigation		6		50,0	100,0	35	special
technical failure	2	5		100,0	40,0	40	3.
technical failure				110,0	0,1	37	3.
technical failure of combine harvester		1		1,2	2,0	20	3.
technical failure of combine harvester				0,7	1,0	17	3.
unproven fault		1			0,2	13	3.
deliberate ignition				20,0	40,0	11	2.
technical failure of extension cable				13,0	5,0	12	2.
technical failure of transformer				10,0	5,0	4	1.
negligence		2		20,0	50,0	18	3.
false construction of chimney				30,0	0,4	49	special
negligence				24,5	20,0	3	1.
negligence, ignition by dross welding			7	18,0	90,0	3	1.
false construction of chimney		1		3,2	1,0	11	3.
negligence				0,1	0,5	9	3.
negligence, smoking during improper handling of propane-butane	1	3	46	7,0	5,0	13	special
technical failure of combine harvester				0,1	1,0	11	3.
technical failure of straw collector				1,5	3,0	11	3.
deliberate ignition				12,2	2,0	8	2.
technical failure of wiring		1	260	20,0	60,0	11	2.
negligence, electric spark of trolley wire				1 000,0	900,0	14	3.
self ignition		1		1,1		16	3.
unproven fault		2				58	special
self ignition						12	3.
technical failure of hydrogen pipe				25,0		1	1.

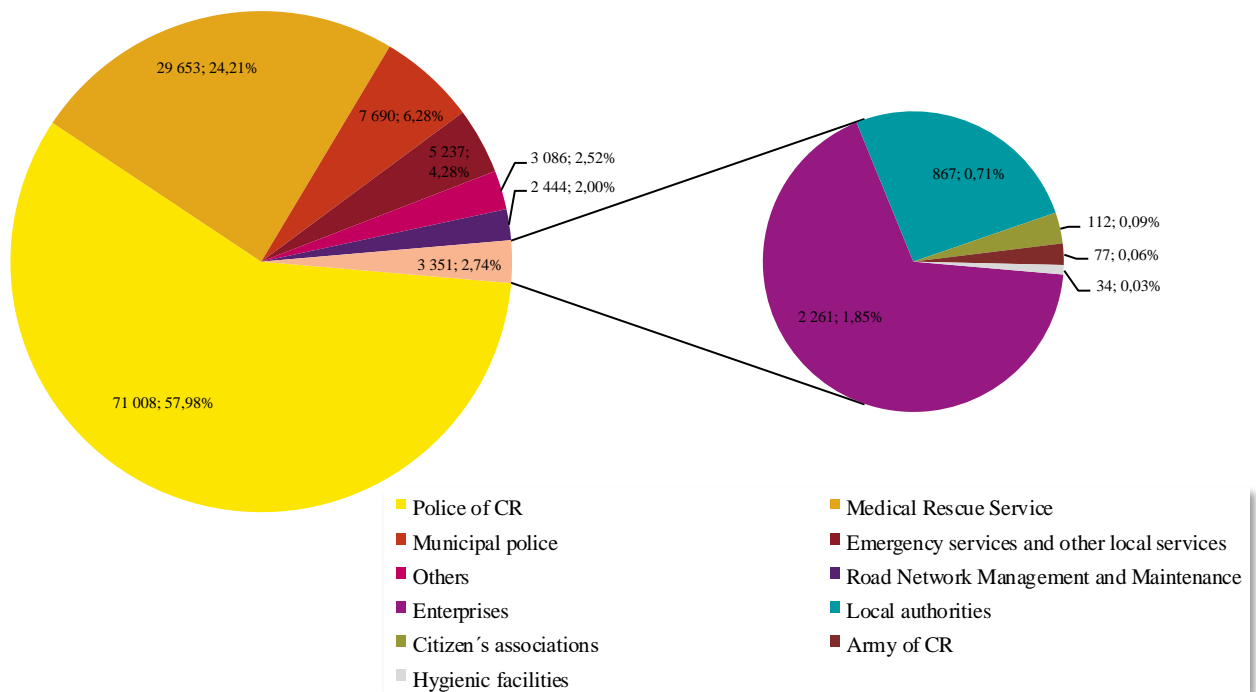
Fires cases with loss of 10 million CZK and higher, emergencies in the 3rd stage and special stage of alert

Region	Date	Description (type of the event, place and detailed information)
Liberec	4. 5.	fire of agriculture building, Jindřichovice pod Smrkem - Liberec, storehouse of straw bales, area of 35 x 40 m, fotovoltaic panels on the roof, multiple sources of the fire, re-burning, affected straw bales transported outside the object for water pouring, shuttle water transport, 1 firefighter injured
	29. 5.	fire of bottling plant and storehouse of flammable liquids, Liberec, sequence of explosion of steel barrels, with flammable liquids, danger of explosion or destruction, presence of huge amount of HazMat - solvents, paraffin and acid hydrochloric, Chemical Laboratory Kamenice intervention, shuttle water transport, useage of low and light expansion foam, 1 firefighter injured
	17. 9.	fire of waste dump, Lomnice nad Popelkou - Semily, fumed and presence of gaseous toxic substances - oil, paints and solvents, danger of explosion or destruction, spilling of flammable material, Chemical Laboratory Kamenice intervention, leakage of oil products into sewerage, shuttle water transport, useage of low expansion foam, means and forces of FRS of Hradec Králové region were used
Hradec Králové	2. 4.	fire of clearing after forest 's mining, Horní Olešnice - Trutnov, area of 100 x 100 m, inaccessible rugged terrain, fire spread into the forest, use of simple extinguishing means, extinguished by airplane, shuttle water transport
	13. 8.	fire of stack, Zábřezí-Řečice -Trutnov, area of 8 x 60 m, called means for taking apart the stack, shuttle water transport
	23. 12.	fire of agriculture object, Hlušice - Hradec Králové, area of 40 x 15 m, fire caused death of ducks, cooperatin with veterinary authority, fire spread among hay bales - bales carried out the objects and extinguished, heavy fumed area inside the objects, 1 firefighter injured
Pardubice	23. 2.	fire of engineering works, Polička - Svitavy, employees tried to extinguish the fire before the arrival of fire units, huge explosion damaged fire equipment and injured firefighters, unspecified amount of instabil ammunition and HazMat, secondary explosions were occuring, cooling debris in epicenter of explosion, the fire site burnt out, cooperation with police pyrotechnists and Emergency unit of FRS CR, 7 firefighters injured
	20. 6.	forest fire, Bor u Skutče - Chrudim, area of 9 hectares, inaccessible rugged terrain, use of simple extinguishing means, shuttle water transport
	19. 7.	fire of field, Turkovice - Pardubice, area of 10 hectares, extinguished by water sprinkler fire trucks, shuttle water transport
	11. 10.	fire of restaurant, Hlinsko - Chrudim, fire preceded gas explosion in the kitchen, danger of roof collapse
	5. 12.	fire of power station, Chvaletice - Pardubice, fire was signalled by fire alarm system, electrical cable and distribution point extinguished by extinguishing apparatus
Vysočina	19. 8.	fire of glue mix factory, Jihlava, explosion preceded the fire, flammable glues and dangerous technological equipment present, fire spread to conveyor belts and grain, extinguished by CCS Cobra, shuttle water transport, useage of light expansion foam
South Moravian	29. 1.	fire of producing hall, Brno, temperature bellow freezing point, dismantling the construction, shuttle water transport
	1. 4.	forest fire, Vilémovice - Blansko, area of 2 hectares, inaccessible rugged terrain, intervention was complicated due to strong wind, extuinguished by simple extuinguishing means and by airplane, shuttle water transport, mobile operational container on site
	2. 4.	forest fire, Hostěnice - Brno - countryside, area of 6 hectares, difficult road access to the spot of intervention, bad digital and analog radio signal, extuinguished by simple extuinguishing means and by airplane, shuttle water transport
	22. 6.	forest fire, Vracov - Hodonín, area of 9 hectares, fire spread quickly in the drought period, use of simple extinguishing means, shuttle water transport, 1 firefighter injured
	30. 6.	fire of field, Hrušovany u Brna, Brno-countryside, area of 32 hectares, inaccessible rugged terrain, fire spread over grass towards forest, extuinguished by simple extuinguishing means and by airplane, shuttle water transport
	3. 7.	fire of field, Suchohrdly - Znojmo, area of 34 hectares, fire spread to stack, windbreaks, silage hole and surrounding tyres, intervention was complicated due to strong wind, Chemical Laboratory Tišnov intervention, extuinguished by airplane, shuttle water transport, useage of low and light expansion foam
	8. 7.	fire of field, Hostěradice - Znojmo, area of 17 hectares, fire spread towards forest, intervention was complicated due to strong wind and drought, extuinguished by simple extuinguishing means and by airplane, shuttle water transport
	16. 7.	fire of combine harvester, Trstěnice - Znojmo, fire spread to wheat field area of 100 x 200 m and away to forest, shuttle water transport, useage of light expansion foam
29. 12.	fire of farm, Šebetov - Blansko, propane-butane cylinder explosion, fire spread to barn and stable, dismantling the construction, shuttle water transport	
Zlín	17. 5.	fire of manufactory of chemical substances, Otrokovice - Zlín, area of 80 x 60 m, repeating explosion by arrival of unit on site, presence of unknown HazMat, about 200 tons of oil, shuttle water transport, useage of low and light expansion foam, means and forces of FRS of Olomouc region, FRS of South Moravia region and FRS of Moravian-Silesian region were used
	23. 5.	fire of agriculture object, Velké Karlovice - Vsetín, object for wooden manufacture and wooden storage, area of 15 x 40 m, collapse of roof construction, shuttle water transport
Moravian - Silesian	7. 1.	fire of building for commercial activity, Kopřivnice - Nový Jičín, temperature 16 °C below zero destroyed technical equipment, danger of explosion or destruction, wall of the hall collapsed in rails, move out from affected areas - barrels with diesel, paints and cylinders, dismantling the construction, shuttle water transport, useage of low expansion foam
	28. 7.	fire of absorber in power plant, Dětmarovice - Karviná, Chemical Laboratory Frenštát pod Radhoštěm intervention, shuttle water transport, extrication of persons from heights, 3 firefighters injured
	2. 8.	fire of the church, Třinec - Frýdek-Místek, fire spread towards surrounding trees, forest and cemetery fence, some tombstones cracked from heat, use of simple extinguishing means in forest fire, intervention was complicated due to strong wind, shuttle water transport
	18. 9.	fire of forest lift/ropeway, Nová Pláň - Bruntál, emergency reported after 4 days, leakage of fuel
	30. 10.	fire of car and lorry, Bocanovice - Frýdek-Místek, fire spread towards anti-noise wall, strong wind caused the restart of burning, shuttle water transport
	20. 12.	fire of threefloor building, Krnov - Bruntál, fumed and presence of gaseous toxic substances, hidden spreading of the fire, temperature below zero caused freezing of valves, dismantling the construction, mobile operational container placed on site, 1 firefighter injured

Cause	Number of fatalities	Number of injuries	Number of rescued or evacuated person	Loss (in million CZK)	Salvaged values (in million CZK)	Number of fire units	Stage of alert
children up to 15 years		1		18,0		18	3.
under investigation		2	1	100,0	50,0	27	special
under investigation				1,0	3,0	26	3.
negligence						12	3.
deliberate ignition				0,4	0,2	10	3.
unclear		1	1	1,5	0,5	14	3.
explosion of plastic explosive		46	140	48,7		15	3.
unclear					0,5	14	3.
technical failure of combine harvester				0,2	0,8	16	3.
deliberate ignition				10,0	3,0	6	1.
under investigation				70,0	120,0	5	1.
technical failure of clamp terminal block with low voltage distribution				15,1	40,0	15	3.
technical failure				15,0	150,0	11	2.
negligence				0,1	0,5	18	3.
unproven fault				0,7	1,0	24	3.
unclear		1		0,2	1,0	13	3.
technical failure of combine harvester				0,1	0,2	15	3.
technical failure of combine harvester				1,9	42,8	26	special
technical failure of combine harvester				0,3	1,1	19	3.
technical failure of combine harvester				16,2	1,5	11	2.
unclear				1,0	2,0	11	3.
under investigation				109,1		21	3.
unclear				15,2	5,0	7	1.
technical failure				82,0	40,0	35	3.
negligence, fallen of live dross		7	1	100,0		17	3.
deliberate ignition				50,0	1,0	11	2.
deliberate ignition				12,0	2,0	1	1.
traffic accident				13,0		4	1.
deliberate ignition		1		3,0	20,0	18	3.

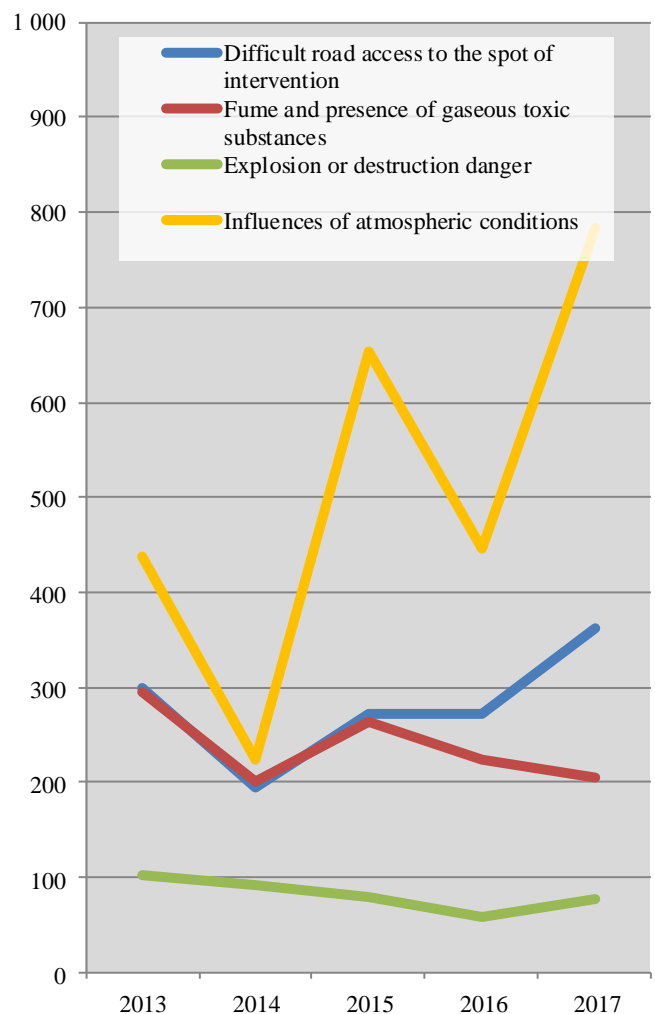
Fire units cooperation in interventions

Total number of cooperation - 122 469



Negative influences by the interventions

Type	Number	Index %
Late arrival of fire units		
malfunction of fire report office	9	50
failure of communication means	162	87
late reporting after noticing	6	75
late alarm declaring after reporting	21	100
late departure/response after alarm declaring	73	104
difficult road access to the spot of intervention	362	133
vehicle malfunction on the road	23	105
requested local fire unit did not depart to fire	78	156
late request of auxiliary fire units	3	150
others	53	106
Firefighting conditions		
lack of resources	5	100
lack of basic firefighting equipment	20	154
lack of special firefighting equipment	12	109
lack of water	12	133
lack of other firefighting means/agens	3	300
lack of protective equipment	1	50
firefighting equipment failure	68	105
incorrect deployment of firefighting forces and means	5	125
inaccurate cooperation with owner/user	35	97
others	3	43
Intervention impeding circumstances		
fume and presence of gaseous toxic substances	206	92
radiant heat, melting of flammable substances	40	70
electric current turned on	36	109
explosion or destruction danger	78	132
improper departure area	29	104
improper intervention or evacuation ways	39	100
temperature below -10 °C	67	291
other influences of atmospheric conditions	717	170
negative influence of technological disposition	9	113
others	30	97



Selected exercises of the Integrated Rescue System bodies in 2017

Tactical exercises of the IRS bodies „Reaction of the IRS bodies and Clinical Departments of the Faculty Hospital in Ostrava to an emergency which caused a large number of injured patients and medical staff as a result of the explosion of an unknown explosive at the premises of the medical facility” – Moravian-Silesian region

The large tactical exercise of the IRS bodies was conducted in the premises of Emergency Department of University Hospital in Ostrava (UHO) on 12 April 2017. The main aim of this exercise was to verify the established procedures and activities in case of this type of emergency from the point of view of the rescue works provided by IRS bodies and by determined clinical departments based on the traumatological plan of UHO. This exercise provided extraordinary opportunity to test rescue works in demanding large fumed area conditions. A total of 70 people took part in the exercise, of which 20 were members of the FRS of the Moravian-Silesian Region.

Tactical exercise of the IRS bodies „Forest Fire 2017“ – Olomouc region

Joint exercise of the Czech and Polish firefighters took place in Staré Město pod Sněžníkem on 30 and 31 May 2017. The aim of the exercise was to practice activities conducted by fire units in case of forest fire in the inaccessible terrain. In particular the fire units had opportunity to test the tactical procedures in case of lack of water, the use of special means for forest firefighting, the use of unmanned aerial vehicle in cooperation with geographic information system, evacuation of vulnerable persons in the field and their rescue, ensuring logistical support for the IRS bodies, ensuring public order and security during rescue and liquidation works. Partners of the Project „Safety Border“ took part in the exercise „Forest Fire 2017“: FRS Olomouc region, FRS Pardubice region, Polish State Fire Service of Wroclaw and also different basic and other bodies of IRS took part in the exercise: Voluntary fire units from Šumperk districts, Rescue Unit of the Fire Rescue Service, Mountain Rescue Service, Police of the Czech Republic with helicopter with bucket, forestry authorities and others. With regard to the scope of an emergency and the expected impact on health and life, property and environment, the Mayor of Šumperk and later the Head of the Olomouc Region were also asked to coordinate rescue works.

Tactical exercise of the IRS bodies „Fire in the music club GOETHE'S MEFISTO“ – Pilsen region

Exercise of IRS bodies and crisis management authorities „Fire in the music club GOETHE'S MEFISTO“ took place in Pilsen on 6 September 2017. This exercise was focused on examining in the activities of IRS bodies and crisis management authorities of the City of Pilsen. The theme of this exercise was fire in the music club with large number of fatalities and injuries. This music club is situated in the basement of an old building in the city centre of

Pilsen. A total of 215 participants from FRS CR, Police of the Czech Republic, Medical Emergency Service of Pilsen and University Hospital in Pilsen took part in this exercise. 150 students from universities and secondary schools were playing victims. The aim of the exercise was to verify the firefighting activities in a very complicated underground area, treatment and transport of a large number of injured persons, to maintain public order and provision of post-traumatic intervention. The exercise of IRS bodies focused on this issue was unique in its scope and the placement of the music club into the basement area in the historical centre of Pilsen. Firefighters had unique opportunity to practise in the real music club that is demanding on orientation. Teams from post-traumatic interventional care of the FRS Pilsen region and Medical Emergency Service of Pilsen region were simultaneously deployed for the first time. FRS Pilsen region had the possibility to verify the establishment and functionality of the information line within the Communication Centre for Public Information.

Tactical exercise of the IRS bodies in former military area Ralsko – Liberec region

36 bodies of the IRS (283 participants) took part in this exercise which was held on 15 – 17 September 2017. The theme of this exercise was the influence of natural elements in the unspecified parts of the Liberec region, which led to a complete failure of all infrastructure. IRS bodies of the Liberec region supplemented by the other forces and means of the FRS CR were deployed to solve this emergency. Deployment took place in a separate sector. Sector Commander in the field had set up Staff of the Incident Commander and coordinated individual activities according to the requirements of the exercise manager and individual scenarios of pre-prepared events. The main aim of the exercise was to practise deployment of the IRS bodies in the field without logistical support from the local authorities. Field meals, hygienic facilities and distribution of electricity including lightening were provided in the place of concentration of the forces and means. A field clinic for injuries was build. Camp was guarded by patrols of the Army of the Czech Republic during the entire duration of the exercise. Fire units set up the bonfire for the burning of bovine animals infected with foot-and-mouth disease. Rescuers provided rescue and triage of 57 exercise participants from the collapsed facility and transport to the field hospital. Three diving groups gradually solved the events in the water, including the rescue of a drowning man with helicopter. Certified search dogs searched people in the collapsed building. Among other things, the missing persons were find in the terrain with the use of dogs, they created rams and called helicopter of the Air Service of the Police of the Czech Republic equipped with a thermal camera. The forest fire was extinguished by high-capacity pump, long-distance water transport via hose lines and helicopter of the Air Service of the Police of the Czech Republic with bucket. Exercise was very demanding on the Commander's Staff activities.

International exercises of the IRS bodies

The MoI-DG FRS CR focuses in the international environment on the practical cooperation of experts from the FRS CR and the rescue teams of the FRS CR, which are predetermined for the dealing with the emergencies and disasters. In this area, the international exercises in the framework of the EU Civil Protection Mechanism are the most used for the training of its members.

Under the auspices of the MoI-DG FRS CR, 8 members of the FRS CR participated in a total of 7 international EU exercises in the role of expert teams, observers or organizers of exercises in 2017.

In addition to the above-mentioned experts, the MoI-DG FRS CR deployed 3 rescue teams to 3 international tactical exercises and 10 members of the teams were deployed to 4 command post exercises.

The United Nations, the Secretariat for the Coordination of Humanitarian Affairs and its International Search and Rescue Advisory Group (INSARAG) is an important partner for the cooperation and enhancement of the preparedness of experts of the FRS CR. Within this cooperation, two members of the FRS CR participated in international exercises.

Selected international exercises of the IRS bodies

Exercise „ModexFalck 2017“, Vaike-Maarja, Estonia

European international exercise was held in the city of Vaike-Maarjana and its surroundings on 27 February to 1 March. It was focused on urban search and rescue activities. (USAR teams). The theme of the exercise was devastating earthquake that caused landslides, collapse or partially collapse of the buildings.

Czech MEDIUM USAR Team was deployed to assist in the affected area. USAR team was composed of the members of the FRS of Capital of Prague, doctor from the Traumatology hospital in Brno and dog handlers predetermined for International rescue operations. Apart from Czech USAR team, the exercises was attended by other European modules – Medium USAR of Austria (SARUV), Hungary, and European Civil Protection team (EUCPT) and its supporting team TAST (Technical Assistance and Support Team).

The exercise itself was organized as a four-day exercise with a 36-hour team deployment. Each team was evaluated and gained feedback from experienced judges who evaluated not only the deployment of the teams, but also their mutual coordination and logistic support. An important part of the exercise was the cooperation of teams both on debris in practical deployment as well as in other areas, eg. establishing a base of operation at night and cold conditions of Estonia. Great emphasis was also put on the safety of the intervening teams when moving under difficult conditions and dangerous roads (frozen pond, etc.). Furthermore, they focused on communication with the media and communication with the public, etc.

International exercise „Austrian Bavarian Czech Forest Fire Drill 2017“

The international exercise „ABCFFD 2017“ was organized in the frame of transboundary cooperation between Czech Republic, Germany and Austria on 30 June and 1 July. The theme of this exercise was traffic accident of the tractor near German village Haidmühle. After extrication of the trapped person, the fire of the vehicle occurred and spread from the mean of transport to the surrounding forest.

The exercise was attended by professional and volunteer units from Austria, Germany and Czech Republic, Operational and Information Centre of the South Bohemia region, operational centres in Passau and Tulln, Army and Red Cross from Austria and Germany and Air Service of the Police of the Czech Republic.

Exercise „Czech Modex 2017“

The main theme of the exercise CZECH MODEX 2017 were floods in the fictitious state Modulistan and its Chacharia region. This exercise was organized in the frame of EU Civil Protection Mechanism by FRS Moravian-Silesian region on 2 – 5 November 2017. Civil Protection Modules related to floods and especially focused on high capacity pumping took part in this exercise. The exercise provided opportunity to test the abilities and possibilities of cooperation and coordination of the FRS Moravian-Silesian region in connection with floods and coordination of international humanitarian assistance provided by the other states. The aim of the exercise was to practise cooperation and exchange of experiences in the field exercise. The exercise was also focused on testing the procedures in border crossing, coordination of the activities in international coordination staff in the spot of the incident and cooperation with local authorities of the fictitious country situated outside EU.

Overall 3 high capacity modules from Poland, Romania and Italy, 4-member team focused on detection of HAZMAT in the environment from Netherlands (Environmental Assessment Unit), European Union Civil Protection Team (EUCPT) together with Technical Assistance Support Team (TAST) from Latvia and Lithuania took part in this exercise.

There was 48-hour long deployment within this exercise. Experts from FRS CR, MoI-FRS CR, Rescue Unit of the FRS CR were involved in the exercise and its significance was unique not only from the point of view of the Statutory City of Ostrava, the Moravian-Silesian region, but also in the context of the whole Czech Republic.

Emergency calls

Emergency call is the most frequent way how to call for assistance or how to notify about information important for public safety. Emergency call works:

- continuously,
- for all citizens,
- throughout the territory,
- free of charge,
- in all telephone networks,
- and from any voice terminal equipment of telephone networks.

Citizens are used to this kind of call for help, and with the development of mobile telephony, emergency call has become constantly available to everyone and almost everywhere. Emergency call is a service of the state, which provides protection of basic human rights – to protect life, health and property. Pursuant to information from an emergency call, the IRS bodies begin its activities; especially they deploy units to the spot of reported events. This information is transmitted electronically as „data messages“ to the operational centres of the IRS bodies.

FRS CR receives emergency calls to national emergency call number 150 and to single European emergency call number 112. FRS CR operates advanced nationwide telecommunications technology dislocated in 14 regional call centres to receive emergency calls.

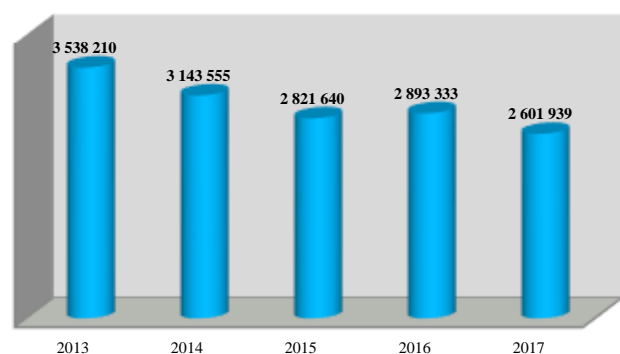
Single European emergency call number 112 can be reached free of charge with fixed and mobile devices in all EU Member States and also in several non-EU states - Montenegro,

Norway, Liechtenstein, Island and Turkey. In the Czech Republic, 112 emergency number is operated alongside with national emergency call numbers.

In 2017, the Emergency Call Center 112 technologies were modernized in order to implement necessary elements for receiving and handling automated emergency calls from vehicles based on the pan-European system eCall. In connection with the handling of eCall calls, a link to the Registry of Motor Vehicles was also carried out and the accident information transmission started into the uniform transport information system of the National Traffic Information Centre.

In 2017, the total number of 2 991 669 calls were received by FRS CR, from which 2 601 939 calls to single European number 112 and 389 730 calls to national number 150.

Number of emergency calls to single European number 112



Fires

Basic indicators

Indicator	Value
Number of fires	16 757
Losses (CZK)	3 653 115 100
Salvaged values (CZK)	9 674 378 000
Fatalities in direct context	57
Total fatalities	92
Injuries	1 392

Firefighters rescued 1 112 persons in fire intervention and 8 921 persons were evacuated.

Number of fatalities includes persons who were found death on place of fire and who didn't die as a consequence of fire, it was in total 35 people.

The summary shows, that 46 fires per day with losses of 10 million CZK occurred in average in the Czech Republic in 2017. Early intervention has salvaged values of 26.5 million CZK per day.

Salvaged values were 2.7 times higher than direct losses (by early intervention of fire units).

Remark: Total number of fires includes 14 fires abroad (grass and forest cover, agriculture farm, cottage, housing unit and means of transport).

In 2017, in comparison to 2016, number of fires increased by 3.1 %, losses increased by 8.1 %. Total of 404 major fires (with losses over 1 million CZK), i.e. 2.4 % of all fires caused 83.2 % of overall losses. Number of fatalities decreased by 25.8 % and number of injuries increased by 7.8 %.

Fires - summary

Year	Number of fires	Losses in CZK	Salvaged values in CZK	Fatalities	Injuries
1996	21 539	1 345 497 700	8 418 267 000	118	1 037
1997	21 540	1 229 951 200	6 393 776 000	135	1 026
1998	24 041	1 902 566 000	6 925 493 000	96	1 123
1999	20 857	2 088 610 700	8 907 455 000	105	934
2000	20 919	1 426 340 200	6 584 192 000	100	975
1996-2000	108 896	7 992 965 800	37 229 183 000	554	5 095
2001	17 285	2 054 670 000	6 230 121 000	99	881
2002	19 132	3 731 915 000	6 251 751 000	109	942
2003	28 937	1 836 614 900	7 646 975 000	141	1 112
2004	21 191	1 669 305 100	6 977 363 000	126	918
2005	20 183	1 634 371 000	7 110 116 000	139	914
2001-2005	106 728	10 926 876 000	34 216 326 000	614	4 767
2006	20 262	1 933 991 700	9 182 541 000	144	919
2007	22 394	2 158 494 200	8 974 428 000	130	1 023
2008	20 946	3 277 297 400	14 545 693 000	142	1 109
2009	20 177	2 169 150 200	9 074 906 000	117	980
2010	17 937	1 956 159 200	11 115 762 000	131	1 060
2006-2010	101 716	11 495 092 700	52 893 330 000	664	5 091
2011	21 125	2 241 800 100	8 078 932 000	129	1 152
2012	20 492	2 861 527 700	10 637 936 000	125	1 286
2013	17 105	2 402 562 900	13 342 294 000	111	1 189
2014	17 388	2 198 327 400	11 533 643 000	114	1 179
2015	20 232	2 495 902 900	11 093 236 000	115	1 449
2011-2015	96 342	12 200 121 000	54 686 041 000	594	6 255
2016	16 253	3 378 246 000	11 654 305 900	124	1 291
2017	16 757	3 653 115 100	9 674 378 000	92	1 392

Number of fires with loss 1 million CZK and higher

Year	Number			Loss in thousands CZK		
	Total in CR	Major fires	Share in %	Total in CR	Major fires	Share in %
2013	17 105	338	2,0	2 402 562,90	1 849 974,00	77,0
2014	17 388	285	1,6	2 198 327,40	1 590 068,00	72,3
2015	20 232	376	1,9	2 495 902,90	1 840 333,00	73,7
2016	16 253	332	2,0	3 378 246,00	2 801 118,90	82,9
2017	16 757	404	2,4	3 653 115,10	3 037 810,60	83,2

Fatalities and injuries in fires

Category	2013		2014		2015		2016		2017		Index %	
	F	I	F	I	F	I	F ¹⁾	I	F ¹⁾	I	F ²⁾	I
Children under 15 years	3	62	1	87	4	98	2/3	103	2/3	95	100	92
Persons from 15 to 60 years	81	832	78	748	84	937	46/78	876	38/66	970	85	111
Persons over 60 years	27	127	35	141	27	172	36/43	130	17/22	140	51	108
Professional firefighters	0	124	0	123	0	153	0	106	1	111	x	105
Voluntary firefighters	0	44	0	80	0	89	0	76	0	76	x	100
Total	111	1 189	114	1 179	115	1 449	84/124	1 291	57/92	1 392	74	108

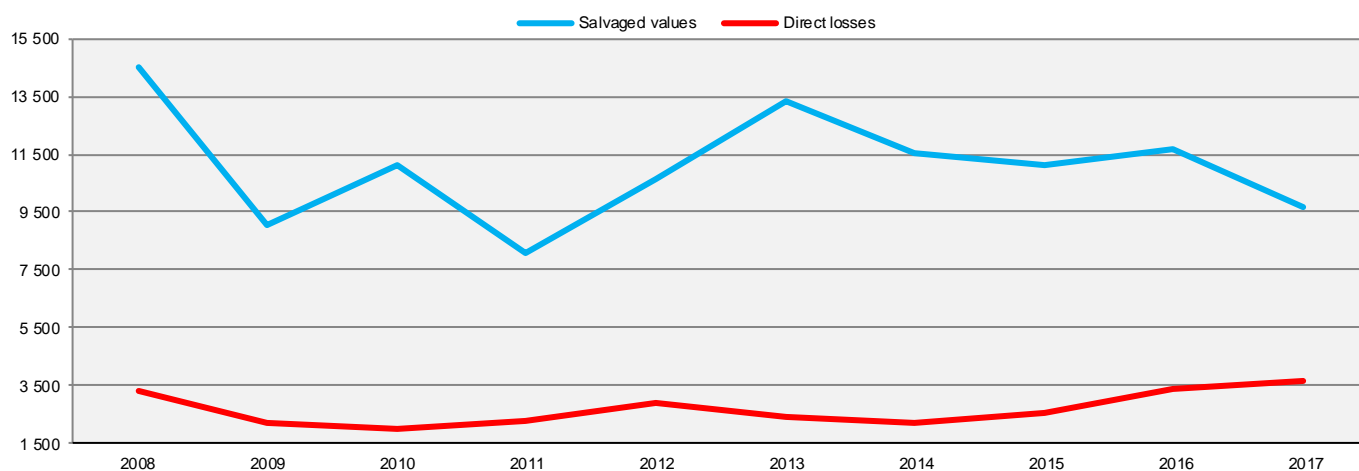
¹⁾ fatalities in direct context / total fatalities

²⁾ from total number of fatalities

Fires and losses by place of origin

Building, object	Number	Index %	Losses in mill.CZK	Index %	Salvaged values in mill. CZK	Fatalities		Injuries
						in direct context	total	
Civil buildings, incl. buildings for transport and lines	711	130	320,33	119	879,25	5	6	117
Housing funds	1 514	97	106,97	95	742,02	13	16	432
Family houses and other buildings for housing	1 675	91	280,07	106	1 210,50	13	19	297
Buildings and halls for production and services	369	104	1 810,01	150	3 078,54	1	2	99
Energetic production buildings	79	81	214,36	120	506,23	0	1	13
Buildings and objects for parking	99	108	56,87	207	116,28	1	1	19
Buildings for storage (excl. agricultural)	70	97	90,23	21	184,27	1	1	10
Buildings for storage of agricultural products	40	95	80,35	356	74,62	0	0	4
Buildings for arable and animal farming	33	100	7,95	38	205,23	0	0	4
Agricultural objects	13	144	1,85	36	21,47	0	0	0
Objects outside the buildings (excl. agricultural)	150	99	51,28	28	597,71	1	1	6
Objects under construction and reconstructions	38	86	25,73	296	77,83	0	0	10
Provisional and purpose objects at buildings	469	97	38,30	27	164,23	5	7	53
Means of transport and working machineries	2 035	102	496,26	124	1 252,50	4	21	188
Agricultural areas and natural environment	603	119	24,27	148	152,03	0	0	11
Forests	966	108	6,26	116	85,08	2	2	9
Open storage areas	2 513	123	11,43	139	58,85	0	0	21
Demolition and dumps	4 384	99	22,29	71	153,50	2	3	37
Others	996	94	8,32	15	114,22	9	12	62

Direct losses and salvaged values in fires in mill. CZK



Economy branch	Number of fires	Share in %	Index %	Losses in thousands CZK	Share in %	Index %	Fatalities		Injuries
							in direct context	total	
Agriculture	2 289	13,66	122	229 763,80	6,29	145	0	1	38
Forestry	1 076	6,42	99	31 858,40	0,87	165	2	2	8
Mining of mineral	34	0,20	71	13 136,50	0,36	230	0	0	1
Manufacturing industry	773	4,61	94	1 871 071,00	51,22	114	2	3	115
Electricity and gas production and distribution	211	1,26	114	219 315,40	6,00	126	0	1	14
Building industry	108	0,64	108	31 026,80	0,85	226	0	0	13
Commerce, goods repair	151	0,90	94	42 542,70	1,16	37	0	0	11
Hospitality industry and accommodation	377	2,25	105	160 133,00	4,38	150	5	5	70
Transport	1 848	11,03	104	283 492,00	7,76	68	4	22	148
Post offices and telecommunications	15	0,09	107	441,00	0,01	108	0	0	0
Financial and insurance industry	5	0,03	63	534,00	0,01	297	0	0	0
Research, company services, real estates	301	1,80	100	122 537,00	3,35	278	1	1	37
Public administration, security	118	0,70	70	2 061,90	0,06	52	0	0	5
Education	55	0,33	117	20 302,40	0,56	222	0	0	3
Health care, social activity	66	0,39	127	3 642,00	0,10	31	0	0	2
Others public and personal services	3 871	23,10	94	151 194,30	4,14	69	2	2	81
Private households	4 894	29,21	98	461 966,40	12,65	105	41	55	828
Others and unclassified	565	3,37	577	8 096,50	0,22	297	0	0	18
Total	16 757	99,99	103	3 653 115,10	99,99	108	57	92	1 392

Fires causes and activities by the origin

Cause	Number of fires	Share in %	Index %	Direct losses in thousands CZK	Share in %	Fatalities		Injuries
						in direct context	total	
deliberate ignition	1 124	6,71	92	236 826,90	6,49	5	7	53
suicidal intention	25	0,15	132	1 075,10	0,03	7	8	12
children up to 15 years	160	0,95	112	35 772,10	0,98	0	0	21
unproven fault	3 996	23,85	103	37 003,70	1,01	6	7	73
smoking	1 264	7,54	114	37 762,00	1,03	6	8	80
setting a fire, burning off	1 266	7,56	134	7 991,30	0,22	2	2	22
incorrect heater operation	121	0,72	90	14 137,30	0,39	2	2	38
flammable substances near the heater	41	0,24	93	6 218,00	0,17	1	2	9
use of flammable liquids and gasses	50	0,30	100	1 006 315,00	27,55	0	0	58
use of open fire	288	1,72	111	25 517,90	0,70	7	10	66
manipulation with burning ashes	335	2,00	111	25 481,90	0,70	1	1	26
welding, cutting, defreezing	148	0,88	97	165 716,00	4,54	0	0	34
ignition of food by cooking	645	3,85	103	15 253,50	0,42	0	1	98
negligence of safety restrictions	417	2,49	95	98 721,60	2,70	4	6	135
negligence, mistake, incorrect handling, unclassified negligence	342	2,04	92	38 645,30	1,06	3	4	32
negligence - total	4 917	29,34	111	1 441 759,80	39,48	26	36	598
improper constructure of the chimney	79	0,47	104	41 534,50	1,14	0	1	17
walled beam in the chimney	37	0,22	82	5 870,00	0,16	0	0	7
joints in the chimney	25	0,15	86	9 140,00	0,25	0	0	10
sparks from the chimney, soot ignition	887	5,29	98	13 808,00	0,38	0	0	8
chimneys - total	1 028	6,13	98	70 352,50	1,93	0	1	42
technical failure in heater	33	0,20	100	7 992,10	0,22	0	0	8
bad condition of heater or flue	20	0,12	83	1 030,00	0,03	0	0	2
improper placement or instalation of heater	58	0,35	85	11 814,50	0,32	0	0	6
other heater failure	17	0,10	94	6 734,80	0,18	0	0	2
heaters - total	128	0,77	90	27 571,40	0,75	0	0	18
technical failure	2 369	14,14	103	805 945,60	22,06	2	3	227
incorrect instalation	10	0,06	63	1 436,00	0,04	0	0	1
improper service	7	0,04	54	3 508,00	0,10	0	0	3
burning materials, products	38	0,23	75	2 774,50	0,08	0	0	2
foreign object in the machine	132	0,79	153	25 811,10	0,71	0	0	15
electricity static charge	11	0,07	85	4 368,50	0,12	0	0	2
sparks from the exhaust, brakes	79	0,47	93	4 218,40	0,12	0	0	1
rubbing, overheating	144	0,86	136	39 041,80	1,07	0	0	7
other changes in operational parameters	756	4,51	114	315 899,60	8,65	1	2	77
technical failures - total	3 546	21,17	106	1 203 003,50	32,95	3	5	335
self ignition of agricultural crops	91	0,54	95	16 334,00	0,45	0	0	1
self ignition of coal	18	0,11	120	602,00	0,02	0	0	3
self ignition of oils	7	0,04	117	904,00	0,02	0	0	0
self ignition of chemical substances	21	0,13	117	3 533,00	0,10	0	0	0
self ignition of chemical products	16	0,10	160	6 445,50	0,18	0	0	0
other self ignition (e.g. waste)	84	0,50	120	2 421,10	0,07	0	0	1
self ignitions - total	237	1,42	110	30 239,60	0,84	0	0	5
gas explosion	3	0,02	50	550,00	0,02	0	0	2
flammable liquids explosion	6	0,04	100	5 457,80	0,15	0	0	3
dust explosion	0	0,00	0	0,00	0,00	0	0	0
explosive detonation	1	0,01	x	48 699,00	1,33	0	0	46
pressure vessels, boilers explosion	1	0,01	100	100,00	0,00	0	0	0
explosions - total	11	0,08	79	54 806,80	1,50	0	0	51
handling of flammable substances	6	0,04	75	1 559,30	0,04	0	0	5
lightning - objects with conductor	7	0,04	117	2 457,00	0,07	0	0	0
lightning - objects without conductor	24	0,14	109	8 380,00	0,23	0	0	2
lightning - others	84	0,50	227	1 730,00	0,05	0	0	2
natural disaster	22	0,13	200	1 120,00	0,03	0	0	0
traffic accident	116	0,69	113	22 500,00	0,62	3	20	100
military exercise, fireworks	57	0,34	73	1 445,00	0,04	0	0	1
special causes - total	310	1,84	121	37 632,00	1,04	3	20	105
unclear	1 025	6,12	79	71 854,60	1,97	1	2	30
under investigation	173	1,03	82	403 657,80	11,05	6	6	42
unexamined *	71	0,42	x	0,00	0,00	0	0	2
causes - total	16 757	100,00	103	3 653 115,10	100,06	57	92	1 392

*) new category

Prevention

Survey of fire prevention of FRS CR

			2013	2014	2015	2016	2017
Fire risk assessment		submitted	87	61	121	74	75
		approved	58	45	78	50	56
		all approved	644	643	689	713	656
Inspections	Acts preceding inspection	number			2 148	2 449	2 370
		complex inspections	1 172	1 113	885	874	829
	legal entities and trading natural person	thematic inspections	8 117	8 248	9 688	9 417	9 051
		control inspections	3 520	2 202	147	17	133
		natural person	complex inspections	0	1	0	0
		thematic inspections	10	10	10	6	3
		control inspections	1	0	1	0	0
	municipalities	inspections	385	439	371	574	578
	in inspection group of other authority	inspections	83	45	24	18	23
Administrative decision	on object exclusion of usage	number	17	17	18	22	11
	on business ban	number	89	49	24	28	19
	on shutdown	number	1	0	0	0	0
	on proper categorization	number	1	0	0	0	0
	on range and administration of documentation on fire protection	number	1	0	0	0	1
	on evaluation of fire risk	number	80	62	75	57	66
	on impose a fine to legal entities or trading natural person ¹⁾	number	633	681	789	781	740
		CZK	7 984 000	8 223 000	12 877 000	11 972 400	9 203 400
	on offence ²⁾	number	58	65	154	87	195
		CZK	174 500	124 500	209 500	141 100	170 100
	impose on-the-spot fine ³⁾	number	1 043	1 102	1 230	1 264	1 295
		CZK	522 320	594 000	585 860	795 750	779 100
other decisions	number	20	27	7	19	569	
Structural prevention	issued statements	number	78 280	79 167	78 449	87 489	90 111
	territorial and structural management	number of invitation	23 189	21 321	19 964	20 830	19 540
		number of attendance	2 791	1 670	1 653	1 504	1 509
	instalation building into the use	number of invitation	33 189	35 183	36 200	36 279	37 716
		number of attendance	28 527	31 024	31 844	32 112	33 786
	cooperation out of range of fire supervision	number of disposed requests	649	669	804	969	1 369
Other activities	disposed requests	number	8 618	9 203	11 299	18 954	13 439
Investigation of fire causes	fire documentation	number	8 517	8 330	9 499	8 227	7 939
	fire-technical expertise	number	475	457	521	537	476

Note: Differences between the sum of approved fire-risk evaluations and the item "All approved" is caused by the sequential revision fire-risk evaluations approved before the year 2001 and cancelling of fire-risk evaluations due to changes of company activity.

¹⁾ After the Act No. 250/2016 Coll. on the liability for administrative delicts and the proceeding about them, came into effect from the 1st July 2017, delicts of legal entities or trading natural person were also included in this category.

²⁾ After the Act No. 250/2016 Coll. on the liability for administrative delicts and the proceeding about them, came into effect from the 1st July 2017, strictly delicts of natural persons with exceptions of delicts, in that cases the fine was imposed.

³⁾ After the Act No. 250/2016 Coll. on the liability for administrative delicts and the proceeding about them, came into effect from the 1st July 2017, this category expressed strictly delicts of natural persons, which received command fine.

International cooperation

Humanitarian aid

Humanitarian aid is governed by Act No. 151/2010 Coll. on international development cooperation and humanitarian assistance abroad. Humanitarian assistance abroad is the set of activities financed from the national budget in order to prevent loss of life and injury, to alleviate suffering and to restore basic living conditions after an emergency and to mitigate long-lasting consequences of emergencies and to prevent their occurrence and negative consequences.

Humanitarian aid includes both ad hoc response to natural or man-made disasters, and aid in long-term (complex) humanitarian crises and disaster prevention.

State humanitarian aid to foreign countries is financed from funds allocated in the budget of the Ministry of Foreign Affairs. From this budget can be financed in particular the following forms of humanitarian assistance abroad:

- a) providing the necessary material assistance in the form of a gift to the affected area after the incident,
- b) cash donations abroad,
- c) financial contributions for public institutions and non-profit organizations abroad,
- d) contributions to international organizations and integration groups,
- e) subsidies to non-governmental non-profit organizations in the Czech Republic to provide humanitarian assistance to foreign countries outside the European Union and European Economic Area,
- f) participation in international rescue operations and sending rescue experts with the necessary equipment in accordance with Act No. 239/2000 Coll. on Integrated Rescue System, as amended.

According to Article 9 of Act No. 151/2010 Coll., on international development cooperation and humanitarian assistance abroad, the Ministry of Interior provides humanitarian aid to EU member states and other states of the European Economic Area and decides on its scope and form.

In 2017, the sum of 130 million CZK was allocated for humanitarian assistance to foreign countries in the budget of Ministry of Foreign Affairs. The total amount was increased by another 27 million CZK for assistance to Syria and for realization of the MEDEVAC programme (1.2 million CZK from the budget of the Ministry of Interior).

During 2017, 48 humanitarian activities in 29 countries were supported in the total amount of 158.9 million CZK.

Almost 85% of the budget was allocated to the needs of displaced persons, particularly as a result of conflicts, including support for host communities; the remaining 15% was allocated for disaster relief, including reconstruction and resilience.

The Czech Republic provided humanitarian assistance to following countries in 2017: Horn of Africa, Philippines, Chile, Yemen, Cuba, Mongolia, Sri Lanka, USA, Burma/ Myanmar, Central Africa Republic, Ethiopia, South Sudan, Kenya, Nepal, Nigeria, Iraq, Lebanon, Jordan, Syria, and through international organizations to Afghanistan, Iran, Pakistan, Bangladesh, Libya, and Ukraine.

No rescue or material assistance was provided during 2017. Its provision, due to the nature of the emergencies and the distances of the affected areas, would not be effective.

Detailed information about humanitarian assistance not only in the year 2017 can be found on www.usar.cz.

The allocated budget for humanitarian assistance to foreign countries is 180 million CZK for the year 2018.

Year	2013	2014	2015	2016	2017
Number of cases	27	35	43	35	48
Number of countries	30	26	26	25	29
Sum in millions of CZK	73,0	83,5	89,9	101,2	158,9

International development cooperation

Based on the previous cooperation between Civil Protection and Emergency Situation Service of Moldova and Fire Rescue Service of the Czech Republic, the project “The Improvement of Operational Competence and Proficiency of Moldovan Firefighters II“ is being realized. This project is financed from the budget of the Czech Development Agency and primarily is focused on the training of Moldovan firefighters in interventions with HAZMAT. Main aim of this project is to establish functional training programme, to provide training for Moldovan firefighters for the interventions with HAZMAT and to purchase material for safe and proper conduct of the interventions. In 2017, the activities of the project were focused on operational centres - in particular the gathering of relevant information from callers and the deployment of forces and means in the event of an accident with HAZMAT. Other project activities were aimed at providing first aid. For the provision of first aid, additional automatic external defibrillators were purchased and training was provided for their use. One of the activities of the project was also focused on the principles of proper behaviour

of citizens in the event of an accident involving HAZMAT, including combustion products. A set of recommendations was created for persons dealing with HAZMAT to eliminate the occurrence of an emergency and information support for intervening firefighters. Fire detectors and carbon monoxide detectors for preventive educational activities were purchased within this project activity. All material, purchased during 2017, was officially handed over by the General Director of the FRS CR genmjr. Ing. Drahoslav Ryba on his business trip to Chisinau in October 2017. Participation of the Czech CBRN module in the exercise MOLDEX 2017 was additionally included to the project. This exercise was organized in the frame of the European Union project PPRD East 2 (Prevention, Preparedness and Response to Natural and Man-made Disasters in the Eastern Partnership Countries 2) in Moldova in September 2017. Czech firefighters, during this exercise, co-operated with Moldovan colleagues in the emergencies related to the leakage of HAZMAT using the means purchased under this project.

Economic indicators

Fire Rescue Service of the Czech Republic fulfils the tasks in the scope and under conditions of Act on Fire Rescue Service of the Czech Republic, Act on Fire Protection, Act on Integrated Rescue System and Act on Crisis Management. FRS CR also fulfils duties of fire units through its 241 stations. Fire units fulfil the tasks in the area of fire protection, Integrated Rescue System and civil protection.

The efficiency is revealed by the relationship between state budget expenditures to FRS and VFU activities, losses and salvaged values in fires presented in the table below.

Compared with other countries, losses are among the lowest in relation to GDP in the Czech Republic. This effect attributes to the fact that in more than 70% cases the dislocation of closest unit is less than 5 km from the spot of emergency.

Salvaged values during interventions of fire units in other types of emergencies are not included in the table, as there is no reliable methodology to assess the effects of these other interventions.

Economic indicators		2013	2014	2015	2016	2017
GDP in current prices ¹⁾	bill. CZK	4 086,3	4 262,2	4 445,5	4 547,7	4 779,6
Real expenditures of FRS CR ²⁾	bill. CZK	7,860	7,648	8,049	8,651	9,365
Non-investment subsidies from state budget for ensuring municipal VFU activity	bill. CZK	0,346	0,080	0,061	0,061	0,100
Investment subsidies from state budget for ensuring municipal VFU activity ³⁾	bill. CZK	0,018	0,010	0,063	0,238	0,352
Share of real expenditures of FRS CR due to GDP	%	0,19	0,18	0,18	0,19	0,20
Direct losses caused by the fire	bill. CZK	2,402	2,198	2,496	3,378	3,653
Direct losses due to GDP	%	0,06	0,05	0,06	0,07	0,08
Salvaged values in fires	bill. CZK	13,343	11,534	11,093	11,654	9,674
Salvage values due to GDP	%	0,33	0,27	0,25	0,26	0,20

¹⁾ GDP for 2017 is defined by the Czech Statistical Office

²⁾ Real expenditures including gain of all budget sources and also extra-budgetary sources of FRS CR activity

³⁾ Including financial means from Fund of prevent damages by the way of FRS CR budget

Types of incidents with interventions of fire units

Fire – intervention to any undesirable combustion, which causes fatality or injury of persons or animals, or damage of property or environment. Undesirable combustion in which people, animals, property or environment are in imminent danger is also considered as a fire.

Traffic accident – intervention related to collision of transport means, in which the person was killed or injured or there is damage on property. Traffic accident followed by fire is always considered as a fire. A traffic accident is also considered as a case in which the fire units eliminated only the minor consequences of an accident (cleaning of roads or removing leakages of substances - vehicle operational filling, etc.), if this was the result of a traffic accident of the above mentioned definition.

HazMat leakage – intervention in emergencies associated with undesirable leakage of HazMat, including oil products (during production, transport or handling), and other substances. Intervention is aimed to limit or reduce the risk of uncontrolled release of flammable, explosive, corrosive, toxic, harmful, radioactive and other hazardous substances, oil products or other substances into the environment (natural gas, acids and their salts, alkalis, ammonia, etc.), including serious accidents, according to Article 2 of the Act No. 224/2015 Coll., on Prevention of serious accidents.

Leakage of oil products – intervention mainly to prevent leakage and to limit its range of oil (gasoline, diesel or oil). Leakage of these substances from vehicle operational fillings due to traffic accidents are classified as “traffic accident”.

Technical accident – intervention to eliminate hazards or hazardous conditions

Technical assistance – intervention to eliminate hazards or hazardous conditions of smaller scale besides technological assistance and traffic accident, for example:

- rescue of persons from the lift,
- emergency opening of the apartment,
- removing obstacles from roads and other areas,
- opening locked areas,
- disposal of fallen trees, electrical wires, etc.,
- ventilation,
- rescue of people and animals,
- pumping, water closing and water supply,
- assistance in explosives finding,
- provisional or other repairs,
- extrication of objects, persons,
- measurement of concentrations or radiation.

Technological assistance – intervention to eliminate hazards or hazardous conditions in the technological operations of companies.

Other assistance – intervention, which can't be defined as a technical accident, technical or technological assistance; such as transport of patient, searching for missing persons, monitoring water streams, road accessibility control etc. and other on-demand services (both directly and indirectly provided assistance).

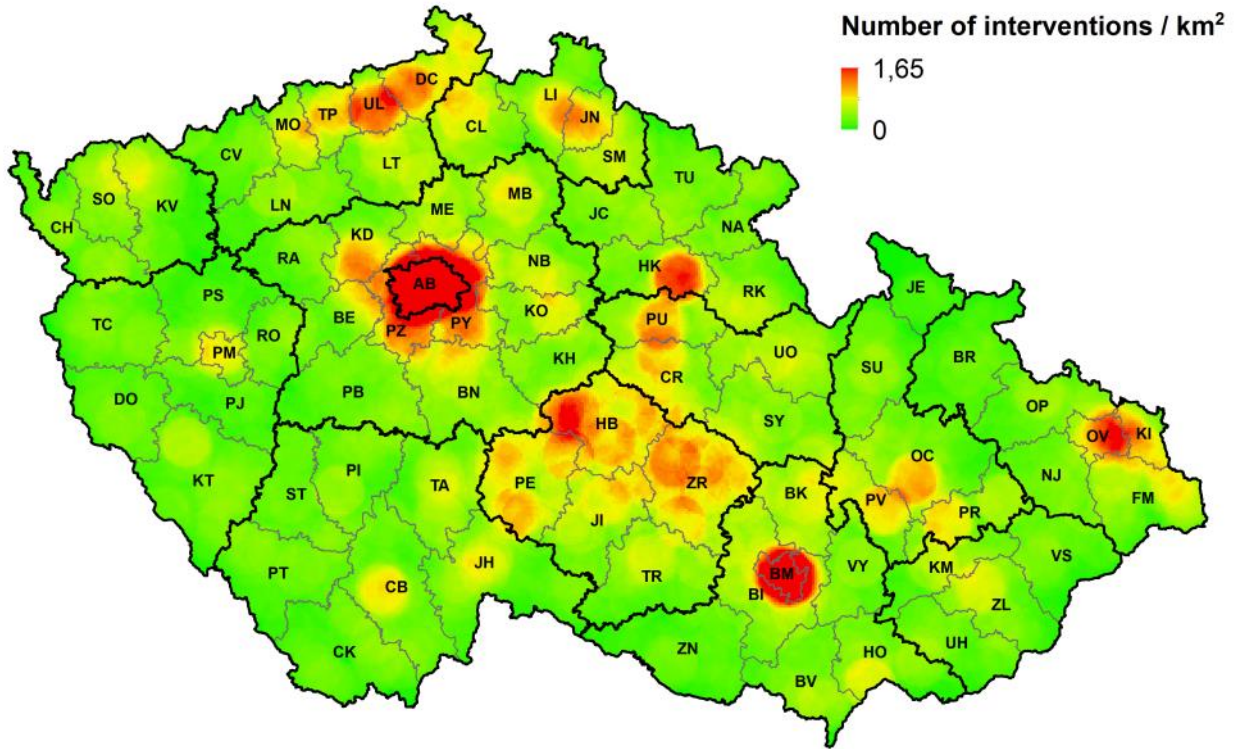
Radiation accident – intervention in incidents related to the improper release of radioactive substances or ionizing radiation.

Other emergency – intervention in other emergencies such as epidemics or infection, ensuring suspicious shipments and also interventions for events that can't be classified under above mentioned types.

False alarm – intervention after reporting a fire or other emergency, which wasn't confirmed.

Natural disaster, weather influence – intervention in an emergency caused by harmfully acting forces and phenomena caused generally or locally by natural influences that threaten lives, health, property or the environment - floods, flooding, rain, snow, ice, windstorms, landslides, earthquakes, etc. in which fire units carried out the rescue and liquidation work. Natural disasters are registered always with index associated with the type of disaster.

Interventions in the affected areas in connection with the meteorological phenomenon Herwart



Statistical Yearbook 2017

Publisher: Ministry of the Interior, Fire Rescue Service of the Czech Republic
Authors: Klára Žůrková and composite authors
MoD data: Róbert Murín
Photos: Archive of The Fire Rescue Service of the Czech Republic
Translation: Iva Brejzová
Copyreaders: Roman Bílý

Translation without English language editing.