Ministry of the Interior – General Directorate

Fire Rescue Service of the Czech Republic

Statistical Yearbook 2016

Czech Republic

Fire Protection

Integrated Rescue System

Fire Rescue Service of the Czech Republic

Prague 2017

Table of content

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 2016 to the state in 2015 (unless stated otherwise)	FRS CR	Fire Rescue Service of the Czech Republic
		VFU	Voluntary Fire Units
PSAP	Public Safety Answering Point	IRS	Integrated Rescue System

Unless otherwise noted, data in tables and graphs for 2016

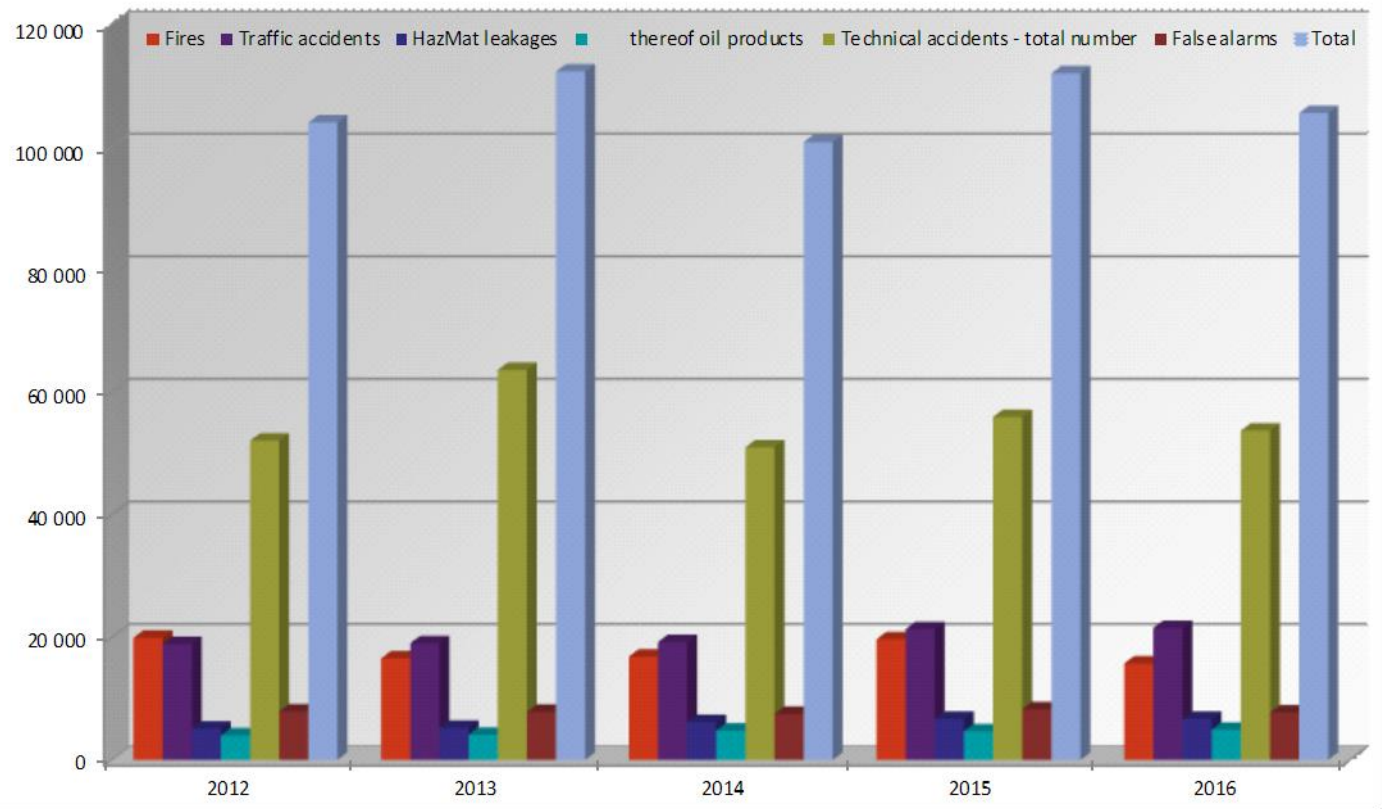
Fire units‘ activities

Number of particular types of incidents with fire unit´s intervention

Type of incident	Number of incidents/events					Share in % in total number	Index %
	2012	2013	2014	2015	2016		
Fires	19 908	16 563	16 851	19 685	15 730	14,9	80
Traffic accidents	18 910	19 023	19 219	21 330	21 521	20,4	101
HazMat leakages	5 106	5 253	6 161	6 693	6 698	6,3	100
there of oil products	3 990	4 107	4 793	4 675	4 923	4,7	105
Technical accidents - total number	52 084	63 596	50 965	55 928	53 714	50,9	96
there of technical accidents	13	4	9	7	6	0,0	86
technical assistances	46 648	57 103	44 967	49 525	47 845	45,4	97
technological assistances	780	860	617	747	427	0,4	57
other assistances	4 643	5 629	5 372	5 649	5 436	5,2	96
Radiation accidents	1	1	1	0	0	0,0	0
Other emergencies	67	8	52	75	92	0,1	123
False alarms	7 909	7 837	7 527	8 273	7 735	7,3	93
Total	**103 985**	**112 281**	**100 776**	**111 984**	**105 490**	**100,0**	**94**

Note: The total number includes 15 incidents (there of 9 fires), that took place abroad with intervention of fire units from CR or the intervention took place on both sides of the border. The total number includes also provided humanitarian assistances of CR abroad.

Incidents



23,211 persons were rescued and 47,427 persons were evacuated by fire units during the interventions in 2016.

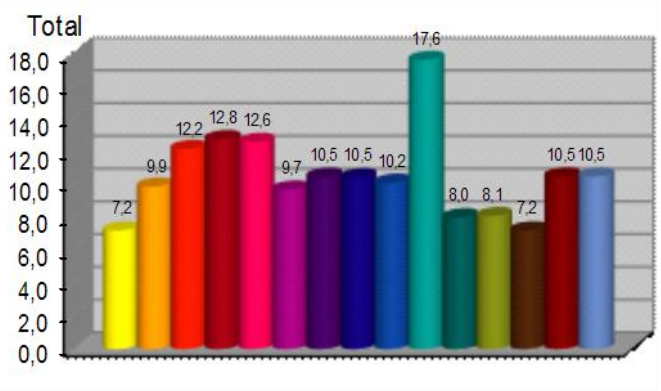
Interventions on natural disasters

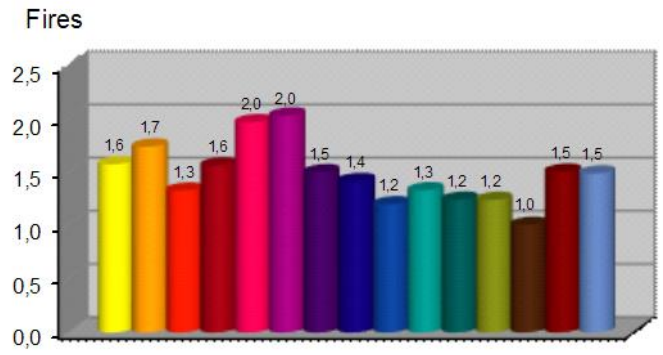
Type of incident	2012	2013	2014	2015	2016
Fires	125	102	137	208	110
Traffic accidents	397	641	406	613	361
Haz Mat leakages	5	44	9	4	6
Technical accidents and others	7 923	31 007	15 297	12 885	11 707
Total	**8 450**	**31 794**	**15 849**	**13 710**	**12 184**

Summary information about incidents in regions

Type of incident	Capital city of Prague	Central Bohemia	South Bohemia	Plzeň	Karlovy Vary	Ústí nad Labem
Fires	1 998	2 312	848	903	587	1 674
Traffic accidents	1 056	3 780	1 500	1 648	651	1 274
HazMat leakages	828	940	322	512	350	660
from these oil products	660	731	288	397	286	515
Technical accidents in total	4 131	5 473	4 671	3 890	1 910	3 603
from these technical accidents	0	0	0	0	0	0
technical assistances	4 002	4 884	4 216	3 455	1 636	3 100
technological assistances	2	8	24	15	140	97
other assistances	127	581	431	420	134	406
Radiation incidents	0	0	0	0	0	0
Other emergencies	66	1	0	3	0	1
False alarms	1 085	648	446	431	266	792
Total	**9 164**	**13 154**	**7 787**	**7 387**	**3 764**	**8 004**
Index %	**95**	**94**	**93**	**99**	**88**	**89**

Number of incidents in regions (per 1 000 inhabitants)





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

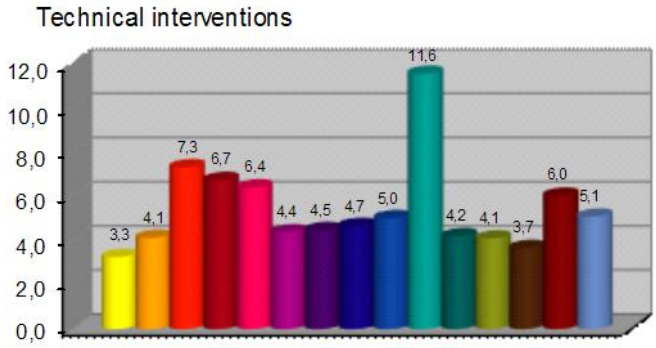
Type of incident	FRS CR			Municipal VFU		
	2015	2016	Index %	2015	2016	Index %
Fires	22 360	18 055	81	20 012	14 224	71
Traffic accidents	23 774	23 993	101	4 576	4 680	102
HazMat Leakages	6 379	6 434	101	1 329	1 332	100
thereof oil products	4 088	4 328	106	954	1 060	111
Technical accidents in total	45 656	44 492	97	17 314	17 164	99
thereof technical accidents	10	16	160	4	9	225
technical assistances	40 428	39 774	98	15 852	15 951	101
technological assistances	523	217	41	327	86	26
other assistances	4 695	4 485	96	1 131	1 118	99
Radiation accidents	0	0	0	0	0	0
Other emergencies	161	178	111	23	6	26
False alarms	6 553	6 673	102	2 337	2 229	95
Total	**104 883**	**99 825**	**95**	**45 591**	**39 635**	**87**

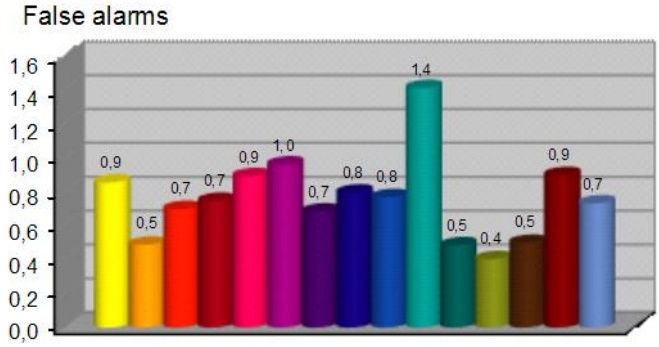
Basic information on fire units

Basic information	Fires					
	2012	2013	2014	2015	2016	Index %
Number of intervention	39 505	31 799	33 514	43 943	33 707	77
thereof interventions in other regions	26	12	19	40	30	75
Number of incidents with multiple intervention	x	x	x	x	x	x
Total number of multiple interventions	x	x	x	x	x	x
Number of incidents in 3rd and special stage of alert	21	15	17	49	24	49
Number of intervening firefighters	218 661	175 073	183 330	236 877	182 442	77
Average number of firefighters per intervention	5,53	5,51	5,47	5,39	5,41	100
Average distance to incident in kilometres	8,07	7,32	7,46	8,33	7,64	92
Average intervention time in minutes	131	103	124	133	112	84
Number of incidents with use of protective equipment	3 706	3 414	3 603	4 030	3 750	93
Number of incidents with use of heat protective clothing	9	12	1	1	3	300
with chemical clothing	9	2	2	0	6	0
with air breathing apparatus	5 681	5 098	6 264	6 164	6 545	106
with oxygen breathing apparatus	2	3	6	7	3	43

Liberec	Hradec Králové	Pardubice	Vysočina	South Moravian	Olomouc	Zlín	Moravian-Silesian	CR
660	782	620	679	1 462	789	589	1 828	**15 731**
1 228	1 585	1 386	1 352	1 905	1 244	930	1 982	**21 521**
462	398	245	345	558	254	271	553	**6 698**
367	303	188	260	289	146	181	312	**4 923**
1 970	2 573	2 591	5 889	4 940	2 603	2 146	7 323	**53 713**
0	1	0	1	4	0	0	0	**6**
1 841	2 311	2 065	5 435	4 389	2 391	1 754	6 365	**47 844**
0	4	17	94	1	1	9	15	**427**
129	257	509	359	546	211	383	943	**5 436**
0	0	0	0	0	0	0	0	**0**
0	0	0	3	12	4	0	0	**90**
301	439	397	720	570	256	292	1 091	**7 734**
4 621	**5 777**	**5 239**	**8 988**	**9 447**	**5 150**	**4 228**	**12 777**	**105 487**
94	**91**	**92**	**96**	**98**	**90**	**94**	**98**	**94**

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





Enterprises FRS			Enterprises VFU			Other unit			Total		
2015	**2016**	**Index %**	**2015**	**2016**	**Index %**	**2015**	**2016**	**Index %**	**2015**	**2016**	**Index %**
1 407	1 125	80	93	94	101	71	209	294	43 943	33 707	77
1 196	1 299	109	19	16	84	39	63	162	29 604	30 051	102
538	573	107	38	31	82	39	13	33	8 323	8 383	101
400	444	111	32	31	97	6	3	50	5 480	5 866	107
2 819	2 793	99	303	312	103	114	101	89	66 206	64 862	98
3	0	0	0	0	0	0	0	0	17	25	147
2 168	2 163	100	169	200	118	103	96	93	58 720	58 184	99
131	110	84	65	65	100	1	0	0	1 047	478	46
517	520	101	69	47	68	10	5	50	6 422	6 175	96
0	0	0	0	0	0	0	0	0	0	0	0
9	22	244	0	0	0	8	20	250	201	226	112
2 194	1 948	89	1 115	765	69	8	19	238	12 207	11 634	95
8 163	**7 760**	**95**	**1 568**	**1 218**	**78**	**279**	**425**	**152**	**160 484**	**148 863**	**93**

Technical intervention						False alarms					
2012	**2013**	**2014**	**2015**	**2016**	**Index %**	**2012**	**2013**	**2014**	**2015**	**2016**	**Index %**
90 246	116 167	96 839	104 334	103 522	99	10 825	10 510	10 718	12 207	11 634	95
416	241	198	120	107	89	12	10	16	6	4	67
318	1 043	535	349	375	107	46	44	39	36	41	114
1 875	6 989	2 624	1 430	1 819	127	627	506	460	615	485	79
0	50	6	1	0	0	0	0	0	0	0	0
380 567	460 324	413 986	454 361	447 335	98	50 315	49 778	52 769	58 126	57 117	98
4,28	4,22	4,39	4,42	4,40	100	4,93	4,98	5,14	5,01	5,12	102
7,88	7,54	7,53	7,56	7,49	99	4,71	4,78	4,95	5,10	4,96	97
148	133	62	85	70	83	16	13	14	14	28	199
460	503	489	522	458	88	44	64	41	43	27	63
6	7	3	2	1	50	1	0	1	0	0	0
45	128	60	53	44	83	0	1	0	0	0	0
448	507	543	545	502	92	43	64	39	43	27	63
5	2	2	4	2	50	0	0	0	0	0	0

Summary - fire unit´s 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 city of Prague	**11 892**	**100**	**9 218**	**93**	**77,5**	**799**	**122**	**6,7**	**1 156**	**91**	**9,7**	**414**	**3,5**
Benešov	1 824	90	1 130	93	62,0	659	85	36,1	33	83	1,8	1	0,1
Beroun	1 556	94	1 027	91	66,0	491	100	31,6	26	90	1,7	1	0,1
Kladno	1 914	90	1 437	92	75,1	438	81	22,9	25	192	1,3	1	0,1
Kolín	1 158	87	812	92	70,1	256	67	22,1	85	125	7,3	0	0,0
Kutná Hora	866	77	649	82	74,9	188	66	21,7	26	52	3,0	0	0,0
Mělník	1 526	91	965	93	63,2	370	92	24,2	187	79	12,3	0	0,0
Mladá Boleslav	1 973	102	1 394	107	70,7	393	93	19,9	185	89	9,4	0	0,0
Nymburk	1 348	88	876	89	65,0	396	81	29,4	71	113	5,3	0	0,0
Praha - východ	3 059	107	1 817	106	59,4	1 092	106	35,7	133	118	4,3	5	0,2
Praha - západ	2 575	109	1 621	107	63,0	890	112	34,6	53	120	2,1	2	0,1
Příbram	1 914	95	1 197	98	62,5	690	93	36,1	19	42	1,0	1	0,1
Rakovník	982	74	626	87	63,7	346	59	35,2	4	21	0,4	0	0,0
Central Bohemia	**20 695**	**94**	**13 551**	**96**	**65,5**	**6 209**	**89**	**30,0**	**847**	**91**	**4,1**	**11**	**0,1**
České Budějovice	2 467	101	1 991	101	80,7	378	104	15,3	91	103	3,7	7	0,3
Český Krumlov	1 317	86	926	93	70,3	332	79	25,2	59	55	4,5	0	0,0
Jindřichův Hradec	1 522	90	919	92	60,4	566	86	37,2	37	93	2,4	0	0,0
Písek	939	82	656	93	69,9	261	62	27,8	22	110	2,3	0	0,0
Prachatice	855	83	550	96	64,3	276	66	32,3	19	73	2,2	10	1,2
Strakonice	985	79	746	91	75,7	183	49	18,6	41	91	4,2	14	1,4
Tábor	1 137	84	824	92	72,5	291	70	25,6	21	57	1,8	1	0,1
South Bohemia	**9 222**	**88**	**6 612**	**95**	**71,7**	**2 287**	**75**	**24,8**	**290**	**80**	**3,1**	**32**	**0,3**
Domažlice	1 171	102	712	97	60,8	440	112	37,6	12	57	1,0	0	0,0
Klatovy	1 917	95	1 226	96	64,0	591	96	30,8	25	100	1,3	71	3,7
Plzeň - jih	1 059	89	704	96	66,5	340	79	32,1	12	57	1,1	0	0,0
Plzeň - město	2 189	99	1 951	100	89,1	182	83	8,3	48	96	2,2	0	0,0
Plzeň - sever	1 296	91	839	91	64,7	435	91	33,6	17	57	1,3	0	0,0
Rokycany	872	93	616	99	70,6	237	77	27,2	14	117	1,6	0	0,0
Tachov	1 239	91	809	93	65,3	409	87	33,0	15	79	1,2	0	0,0
Plzeň	**9 743**	**95**	**6 857**	**97**	**70,4**	**2 634**	**91**	**27,0**	**143**	**80**	**1,5**	**71**	**0,7**
Cheb	1 474	81	1 023	91	69,4	351	63	23,8	100	72	6,8	0	0,0
Karlovy Vary	2 038	88	987	100	48,4	934	75	45,8	115	146	5,6	1	0,0
Sokolov	1 529	79	875	96	57,2	543	62	35,5	109	79	7,1	2	0,1
Karlovy Vary	**5 041**	**83**	**2 885**	**95**	**57,2**	**1 828**	**68**	**36,3**	**324**	**91**	**6,4**	**3**	**0,1**
Děčín	1 926	92	1 098	90	57,0	791	96	41,1	37	76	1,9	0	0,0
Chomutov	1 633	98	776	100	47,5	586	95	35,9	270	97	16,5	0	0,0
Litoměřice	1 289	78	941	86	73,0	283	57	22,0	65	118	5,0	0	0,0
Louny	1 164	92	777	95	66,8	360	89	30,9	27	64	2,3	0	0,0
Most	1 341	84	830	82	61,9	156	59	11,6	355	110	26,5	0	0,0
Teplice	1 378	83	882	83	64,0	368	76	26,7	126	119	9,1	2	0,1
Ústí nad Labem	1 240	88	900	88	72,6	183	74	14,8	155	117	12,5	2	0,2
Ústí nad Labem	**9 971**	**88**	**6 204**	**88**	**62,2**	**2 727**	**81**	**27,3**	**1 035**	**105**	**10,4**	**4**	**0,0**
Česká Lípa	2 122	91	1 031	98	48,6	1 047	85	49,3	42	108	2,0	1	0,0
Jablonec nad Nisou	1 410	111	894	103	63,4	474	126	33,6	41	216	2,9	0	0,0
Liberec	2 811	104	1 587	104	56,5	1 034	100	36,8	188	128	6,7	0	0,0
Semily	1 145	78	689	82	60,2	439	74	38,3	16	42	1,4	1	0,1
Liberec	**7 488**	**96**	**4 201**	**98**	**56,1**	**2 994**	**93**	**40,0**	**287**	**118**	**3,8**	**2**	**0,0**
Hradec Králové	2 317	90	1 617	91	69,8	632	85	27,3	47	82	2,0	16	0,7
Jičín	1 171	87	790	91	67,5	320	75	27,3	57	112	4,9	0	0,0
Náchod	1 833	90	1 169	93	63,8	640	84	34,9	12	240	0,7	10	0,5
Rychnov nad Kněžnou	1 633	104	845	99	51,7	524	97	32,1	259	146	15,9	0	0,0
Trutnov	1 752	86	1 062	90	60,6	673	82	38,4	15	100	0,9	2	0,1
Hradec Králové	**8 706**	**91**	**5 483**	**92**	**63,0**	**2 789**	**84**	**32,0**	**390**	**128**	**4,5**	**28**	**0,3**
Chrudim	1 524	87	1 060	96	69,6	458	72	30,1	4	25	0,3	0	0,0
Pardubice	1 793	84	1 365	96	76,1	272	48	15,2	154	116	8,6	0	0,0
Svitavy	1 409	82	1 072	85	76,1	318	75	22,6	18	56	1,3	0	0,0
Ústí nad Orlicí	2 099	81	1 359	83	64,7	518	72	24,7	213	96	10,1	8	0,4
Pardubice	**6 825**	**83**	**4 856**	**90**	**71,2**	**1 566**	**67**	**22,9**	**389**	**97**	**5,7**	**8**	**0,1**
Havlíčkův Brod	2 034	90	1 531	96	75,3	440	73	21,6	61	76	3,0	0	0,0
Jihlava	2 602	102	1 784	105	68,6	418	87	16,1	232	94	8,9	167	6,4
Pelhřimov	1 898	102	1 215	102	64,0	656	100	34,6	11	110	0,6	15	0,8
Třebíč	1 889	85	1 267	99	67,1	361	90	19,1	258	47	13,7	1	0,1
Žďár nad Sázavou	2 354	88	1 621	96	68,9	588	72	25,0	15	71	0,6	125	5,3
Vysočina	**10 777**	**93**	**7 418**	**100**	**68,8**	**2 463**	**83**	**22,9**	**577**	**64**	**5,4**	**308**	**2,9**

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	1 669	100	1 009	100	60,5	623	97	37,3	23	164	1,4	0	0,0
Brno - město	4 204	94	3 698	92	88,0	376	97	8,9	65	107	1,5	0	0,0
Brno - venkov	3 372	97	2 476	96	73,4	811	95	24,1	58	107	1,7	0	0,0
Břeclav	1 389	90	890	92	64,1	469	85	33,8	28	104	2,0	0	0,0
Hodonín	1 363	81	846	82	62,1	486	77	35,7	28	175	2,1	0	0,0
Vyškov	1 451	102	1 038	98	71,5	376	109	25,9	18	78	1,2	0	0,0
Znojmo	1 240	90	916	99	73,9	317	71	25,6	6	86	0,5	0	0,0
South Moravia	**14 688**	**94**	**10 873**	**94**	**74,0**	**3 458**	**89**	**23,5**	**226**	**112**	**1,5**	**0**	**0,0**
Jeseník	733	104	444	98	60,6	279	117	38,1	6	86	0,8	4	0,5
Olomouc	2 532	94	1 779	93	70,3	668	95	26,4	84	104	3,3	1	0,0
Prostějov	1 225	84	831	86	67,8	377	80	30,8	17	94	1,4	0	0,0
Přerov	1 567	91	1 060	85	67,6	407	107	26,0	100	105	6,4	0	0,0
Šumperk	1 431	82	874	85	61,1	533	80	37,2	24	63	1,7	0	0,0
Olomouc	**7 488**	**90**	**4 988**	**89**	**66,6**	**2 264**	**92**	**30,2**	**231**	**97**	**3,1**	**5**	**0,1**
Kroměříž	967	90	739	94	76,4	205	74	21,2	23	230	2,4	0	0,0
Uherské Hradiště	1 196	86	803	95	67,1	234	71	19,6	19	119	1,6	140	11,7
Vsetín	1 805	84	865	90	47,9	608	85	33,7	83	81	4,6	247	13,7
Zlín	2 005	101	1 373	98	68,5	471	92	23,5	145	210	7,2	15	0,7
Zlín	**5 973**	**90**	**3 780**	**95**	**63,3**	**1 518**	**83**	**25,4**	**270**	**137**	**4,5**	**402**	**6,7**
Bruntál	1 615	84	949	85	58,8	637	82	39,4	23	92	1,4	6	0,4
Frýdek - Místek	3 446	101	1 871	102	54,3	1 113	98	32,3	462	105	13,4	0	0,0
Karviná	3 191	100	2 367	99	74,2	732	101	22,9	91	106	2,9	0	0,0
Nový Jičín	2 353	107	1 202	102	51,1	1 017	112	43,2	132	123	5,6	0	0,0
Opava	2 287	93	1 296	93	56,7	821	94	35,9	168	94	7,3	1	0,0
Ostrava	5 121	92	4 066	92	79,4	496	96	9,7	557	92	10,9	1	0,0
Moravian-Silesian	**18 013**	**96**	**11 751**	**95**	**65,2**	**4 816**	**97**	**26,7**	**1 433**	**99**	**8,0**	**8**	**0,0**

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

FRS CR	**64.4 % of all interventions**
	Total number of 241 fire units registrated (as of December 31, 2016)
Municipality VFU	**28.4 % of all interventions**
	Total number of 6 987 fire units (as of December 31, 2016), from which 236 fire units category II, 1342 fire units category III, 5409 fire units category V. From the total number as many as 928 (13.3%) fire units operated in only one intervention and 3290 (47.1%) fire units didn´t operated at all. The main types of interventions were fires, technical assistances and traffic accidents.
Enterprises FRS	**6.3 % from all interventions**
	Total of 96 fire units (as of December 31, 2016), from those 16 military fire units. The main types of intervention were technical and technological assistances and false alarms.
Enterprises VFU	**0.5 % from all interventions**
	Total of 144 fire units (as of December 31, 2016). The main types of intervention were fires and false alarmes.

Number of firefighter´s fatalities and injuries in interventions

Category	2012		2013		2014		2015		2016		Index %	
	F	I	F	I	F	I	F	I	F	I	F	I
Professional	0	332	0	316	0	307	0	324	0	283	0	87
Voluntary	1	122	0	119	0	121	0	137	0	123	0	90
Total	**1**	**454**	**0**	**435**	**0**	**428**	**0**	**461**	**0**	**406**	**0**	**88**

Number of particular fire unit´s 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	246	88	312	128	69	109	11	**638**	**84**
assistance on searching or elimination of explosives	131	100	15	213	27	44	6	**179**	**101**
reconnaissance	91 623	94	31 063	117	6 517	108	868	**130 071**	**92**
use of fire extinguisher	454	115	229	108	101	93	20	**804**	**106**
use of simple fire extinguisher	1 456	73	953	162	127	117	5	**2 541**	**69**
D stream water	214	76	172	130	25	80	4	**415**	**79**
C stream water	3 872	72	3 946	162	347	146	131	**8 296**	**67**
B stream water	168	78	188	195	13	223	2	**371**	**60**
water foam monitor stream water	264	46	344	323	62	115	0	**670**	**38**
high - pressure water	6 151	79	1 716	150	225	131	9	**8 101**	**76**
light expansion foam	3	300	1	100	1	100	0	**5**	**167**
medium expansion foam	83	79	15	87	8	163	0	**106**	**79**
low expansion foam	92	119	24	92	20	110	0	**136**	**111**
soaking agent	420	89	176	178	22	91	1	**619**	**76**
powder from mobile equipment	5	71	0	0	1	200	0	**6**	**55**
inert gas from mobile equipment	28	156	2	150	10	30	0	**40**	**167**
special technical equipment and extuinguishing agents	215	79	75	132	6	50	1	**297**	**77**
water pumping	1 012	139	1 906	40	145	72	28	**3 091**	**191**
long-distance water supply with hoses	43	58	130	165	1	500	1	**175**	**60**
shuttle water supply	317	51	969	215	17	247	4	**1 307**	**47**
water refill	1 129	67	2 131	184	110	158	16	**3 386**	**58**
cooling	840	86	362	127	82	123	29	**1 313**	**84**
natural ventilation	3 757	101	877	107	254	89	64	**4 952**	**101**
forced ventilation	1 357	97	425	93	93	90	2	**1 877**	**100**
insulation, separation of substances	62	103	11	55	13	77	4	**90**	**110**
neutralisation	49	94	4	100	7	243	0	**60**	**80**
dilution	59	116	15	100	16	106	1	**91**	**107**
substances pump - over	275	92	21	114	25	112	2	**323**	**91**
bordering and obstructing after leaked substance	1 101	102	147	111	79	106	19	**1 346**	**100**
collecting of leaked substance (excl. oil substances)	331	79	33	164	59	88	3	**426**	**80**
identification of leaked substance	715	104	65	108	54	85	5	**839**	**101**
sampling	284	117	12	67	5	60	0	**301**	**102**
gas concetration measurement	2 815	101	83	92	134	76	1	**3 033**	**102**
securing of place of accident	14 082	98	2 783	102	670	88	8	**17 543**	**98**
securing of place of air equipment landing	652	x	98	x	3	x	3	**756**	**x**
removing of after-effect traffic accident	10 559	93	1 886	110	552	94	1	**12 998**	**93**
traffic control	8 295	95	2 871	105	158	72	3	**11 327**	**96**
removing of obstacles from roads and other areas	13 956	87	5 811	128	935	115	12	**20 714**	**84**
cleaning - up of oil products (vehicle´s filling)	11 369	100	2 099	98	419	101	23	**13 910**	**100**
fire protection measures	13 110	100	2 039	91	174	75	4	**15 327**	**101**
surroundings securing	1 058	75	529	188	37	149	5	**1 629**	**66**
lighting the place of intervention	2 489	92	1 174	113	181	98	3	**3 847**	**91**
water surface intervention	**351**	**88**	**119**	**100**	**11**	**82**	**2**	**483**	**91**
intervention on and under water surface	**194**	**75**	**103**	**70**	**2**	**150**	**0**	**299**	**90**
operating of dangerous equipment	64	82	27	96	7	114	1	**99**	**88**
provisional repair	980	76	187	173	106	130	4	**1 277**	**73**
construction dismantling	2 381	86	1 879	115	90	149	14	**4 364**	**86**
water, gas, electricity etc. closing	2 628	101	398	89	70	89	8	**3 104**	**103**
breaking into closed space	12 437	100	1 048	101	80	136	8	**13 573**	**99**
snow and ice removing	47	70	20	185	19	84	0	**86**	**70**
intervention at height using climbing equipment	462	81	65	157	22	155	1	**550**	**78**
intervention at height and depth	3 606	83	692	121	87	97	7	**4 392**	**83**
persons searching	413	45	375	145	51	94	8	**847**	**56**
searching persons in rubbles	38	x	5	x	0	0	1	**44**	**x**
searching and rescue of persons from water	149	89	40	123	1	0	0	**190**	**88**
extrication of persons from depth	118	76	21	129	0	0	0	**139**	**74**
extrication of persons in height	105	93	15	87	3	133	0	**123**	**94**
extrication of persons from crashed vehicles	1 298	114	252	101	30	120	0	**1 580**	**110**
extrication of persons from lifts	1 015	107	40	140	110	49	7	**1 172**	**109**
extrication of persons from collapsed buildings	17	142	7	100	0	0	1	**25**	**132**
transport of patient	6 226	105	1 217	83	452	94	53	**7 948**	**107**
rescue of persons another	2 777	175	303	85	32	91	11	**3 123**	**166**
pre-medical treatment	4 494	112	1 103	90	367	103	98	**6 062**	**110**
coordination by medical treatment of patient	4 101	105	680	92	84	70	9	**4 874**	**106**

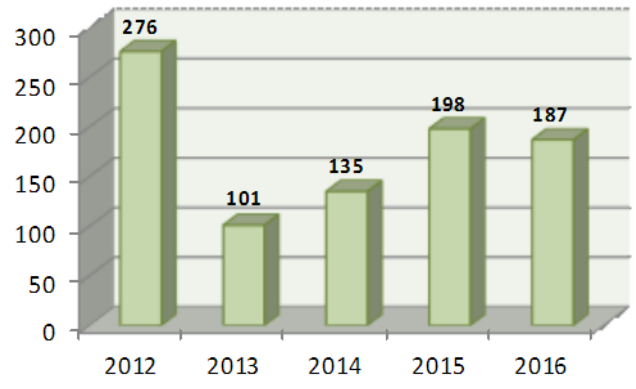
Activity type	FRS CR		Municipal VFU		Enterprises FRS		Enterprises VFU and others	Total	
	Number	*Index %*	Number	*Index %*	Number	*Index %*	Number	Number	Index %
extrication of objects	653	95	170	98	40	128	3	**866**	**96**
capture of animals including searching	829	99	322	91	41	88	1	**1 193**	**102**
capture and elimination of insects	5 195	119	2 283	93	143	76	29	**7 650**	**116**
evacuation of inhabitants from object	392	107	158	83	158	73	3	**711**	**116**
evacuation of inhabitants territorial	37	119	24	46	23	78	1	**85**	**142**
evacuation of objects	225	88	262	100	6	150	2	**495**	**94**
evacuation of animals, rescue of animals	643	106	179	85	11	64	1	**834**	**109**
establishment and providing operation in evacuation center	3	21	7	271	0	0	0	**10**	**29**
marking of dangerous areas	373	80	105	161	21	81	2	**501**	**77**
decontamination of persons, incl. firefighters	50	93	3	267	3	133	1	**57**	**86**
decontamination of equipment	24	65	0	0	4	225	0	**28**	**56**
floods - preparedness measures	31	x	81	x	0	0	0	**112**	**x**
floods - removing of after- effect	110	x	342	x	1	x	2	**455**	**x**
transport of drinking water, food and articles for survival	35	65	43	102	0	0	0	**78**	**74**
dispensing and distribution of drinking water and food	101	77	27	170	5	160	0	**133**	71
getting cover into work	0	0	0	0	0	0	0	**0**	**0**
providing of technical equipment for IRS bodies	314	88	29	138	7	71	1	**351**	**86**
logistics	203	93	182	98	2	300	1	**388**	**95**
water streams monitoring	209	100	142	54	7	86	0	**358**	**122**
waiting for special services	1 598	92	275	120	188	87	4	**2 065**	**93**
taking pictures, videos	16 636	102	2 022	99	1 360	88	91	**20 109**	**103**
use of thermal imaging camera	4 421	112	305	78	183	67	10	**4 919**	**114**
standby on the place of intervention	2 065	94	4 312	119	180	113	13	**6 570**	**87**
standby on own station	21	50	757	119	4	50	0	**782**	**83**
standby on the station	281	119	961	109	2	200	0	**1 244**	**97**
others	4 537	98	1 520	125	507	93	29	**6 593**	**93**
fire unit didn´t intervene (call off on the way to accident)	2 973	106	1 321	106	133	83	30	**4 457**	**103**
Total	**281 001**	**112**	**90 140**	**127**	**16 457**	**109**	**1 756**	**389 354**	**116**

Incidents with intervention of military fire units

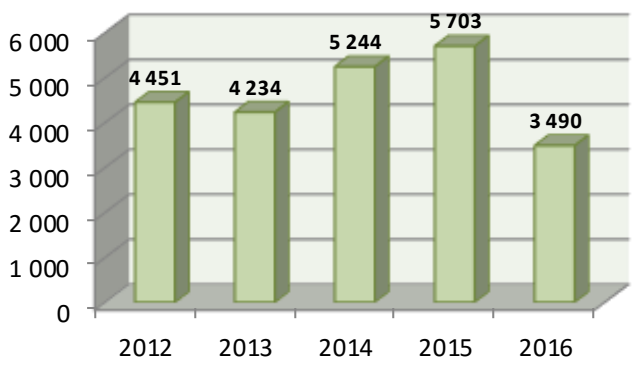
	2012	2013	2014	2015	2016	Index %
Fires under MoD area	276	101	135	198	187	94
losses (thousands CZK)	2 470,0	798,0	9 132,0	2 794,0	1 410,0	50
salvaged values (thousands CZK)	92 300,0	128 425,0	13 237,0	125 429,0	39 960,0	32
Fires outside the MoD area	12	9	6	19	29	153
Technical assistances under MoD area	4 451	4 234	5 244	5 703	3 490	61
Technical assistances outside the area of MoD	7	18	23	18	10	56

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 amanded). 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. Within the Czech Army, 557 firefighters serve in 16 fire units, which are intended to support IRS in emergencies.

Fires under MoD area



Technical assistances under MoD area



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

Region	Date	Description (type of the event, place and detailed information)
Capital of Prague	19. 1.	Fire of storehouse and pressing shop (wrapper of oil and other material) - mechanical wrapper press, A.P.E., LLC., Praha - Vinoř, plastic container explosion with unknown flammable dangerous substance caused massive extent of flame, shuttle water transport, works at hights or depths
	12. 2.	Roof fire (National Museum under reconstruction), Praha 1, taking down of roof and ceiling construction with chainsaw and ax, forced entry throw main entrance door
	4. 4.	Fire of unimo units intended for demolition, Praha 14, area of 20 x 6 m, shuttle water transport, works at hights or depths
	9. 6.	Airplane Boeing 737 fire in hangar, Belgian Air, Praha 6
	23. 6.	Manufacturing hall fire,KOH- I-NOOR Waldes, JSC, Praha 10, 6 barrels with hydrochloric acid carried out, gas concetration measure
	26. 8.	Fire of movie scenery set in film studio area, STILLKING FILMS, LLC, Praha 5, area of 10 000 m^2, taking into pieces of burned scenery set by tearing hooks and axes, 8 propane-butane cylinders carried out, shuttle water transport, extinguish by airplane
	27. 10.	Industry hall fire, galvanization production, TK GALVANO SERVIS, LLC., Praha 15, chemicals present, shuttle water transport
Central Bohemia	10. 4.	Fire of restaurant and store, Dolany, okr. Mělník,area of 30 x 40 m, 5 propane-butane cylinders carried ou, pumping stand by the river, shuttle water transport, works at hights or depths
	13. 5.	Fire of transformer, ČEZ a. s., Horní Počaply, okr. Mělník, cooling of hydrogen piping
	9. 6.	Fire of palettes with plastic spare parts for cars in storage hall, ELIT CZ , LLC , Hostivice, Praha - west, fixed extinguishing system was activated by the fire
	15. 7.	Fire of storage hall, LOSTAV ČSFR. LLC , Běrunice - Nymburk, area of 40 x 15 m, barells with flammable substances exploded and caused the firespread, shuttle water transport
South Bohemia	15. 5.	Fire of joiner´s wooden briquets manufacture, DREVYS PRO, LLC , Předmíř - Strakonice, area of 2 100 m^2, fire technics of Emergency unit of FRS CR took down the hall constructions, shuttle water transport
	23. 5.	Fire of melting furnace, MOTOR JIKOV GROUP, JSC, České Budějovice, incandescent melted substance poured out and sprinkled with sand
	20. 8.	Fire of wood-processing hall, HOLZPACK CZ . LLC , Drhovle - Písek, employees tried to extinguish the fire by portable fire extinguishers before the arrival of fire units, shuttle water transport
Plzeň	19. 1.	Fire of hall - poultry fattening, ZEMĚDĚLSKÉ OBCHODNÍ DRUŽSTVO, Kolinec - Klatovy, area of 100 x 20 m, during the intervention froze the brake´s air system, stop cocks and hose coupling, use of extinguishing system Cobra, shuttle water transport
	26. 2.	Fire of electronics storage , ILV spol. LLC., Příchovice - Plzeň - south, area of 224 m2, fire documentation wasn´t draw up, strong freeze caused ice area in departure area, shuttle water transport, works at hights or depths
	5. 6.	Fire of air-conditioning in production hall for car´s carpets , BORGERS CS, LLC, Volduchy - Rokycany, employees tried to extinguish the fire with portable fire extinguishers before the arrival of fire units, works at hights or depths, spontaneous evacuation of persons before the arrival of fire units
	27. 8.	Fire of compressor in engine room of meat processing plant, MASOKOMBINÁT PLZEŇ, LLC , Plzeň, in compressor room leaked ammonia, works at hights or depths
	30. 12.	Fire of log cabin in ARCHEOPARK, KELTOI, Prášily - Klatovy, works at hights or depths
Karlovy Vary	29. 2.	Fire of building of ex-discotheque, STŘELECKÝ KLUB, Březová - Karlovy Vary, difficult access road to the spot of intervention, works at hights or depths
Ústí nad Labem	9. 8.	Fire of pension Mezihoří, Blatno - Chomutov, shuttle water transport, works at hights or depths, spontaneous evacuation of persons before fire unit arrived
	28. 8.	Fire of joiner´s and surrounding objects, Staňkovice - Louny, forced entry in the estate, explosion of unknown substance caused strongly fumed surroundings
	3. 9.	Fire of line for mechanical processing of waste, CELIO, JSC , Litvínov - Most, before fire unit arrived 2 employees were injured during extinguishing the fire with portable fire extuinguishers
	11. 11.	Fire of loftrooms in pension Zlatý Kaštan, Chomutov, due to hidden fire in floor construction came to its collapse, intervention complicated due to heavy fume and the temperature above freezing point outside, shuttle water transport, works at hights or depths
	15. 11.	Fire of dump with dangerous waste, SITA JSC, Ústí nad Labem, extuinguishing with low expansion foam, during the intervention the resin rests from empty barrels exploded in underground, followed by flame flare, shuttle water transport
Liberec	2. 9.	Fire of heavy fuel in boiler room, STORMTRUPER CONSULT LLC, Jilemnice - Semily, use of soaking agent
	5. 9.	Fire of machine tool Micron, SFS INTEC LLC, Turnov - Semily, use of soaking agent
	14. 9.	Fire of wooded clearing, Jilemnice - Hrabačov - Semily, area of 30 000 m^2, fireground burned up, difficult access road to the spot of intervention, airpalne´s extuinguishing, shuttle water transport, fire liquidation after 56 hours
Hradec Králové	18. 1.	Fire of barn with straw, agriculture homestead, Trnov - Rychnov nad Kněžnou, from burning object flew burning fuel into the courtyard from destroyed containers, fuel leaked into local brook, shuttle water transport
	26. 2.	Fire of straw storage, ROLNICKÁ JSC, Ohnišťany - Hradec Králové, area of 50 x 20 m, object left burned down by assistance of fire unit

Cause	Number of fatalities	Number of injuries	Number of rescued or evacuated person	Loss (in milion CZK)	Salvaged values (in million CZK)	Number of fire units	Stage of alert
negligence of safety regulations		1		10,0	10,0	24	3.
under investigation		1		7,8	59,7	20	special
unproven failure						14	3.
uncorrect use of flammable gases - static electricity discharge		1		55,0	945,0	1	1.
technical failure				1,5	10,0	15	3.
under investigation		4		100,0	20,0	27	3.
under investigation		1		60,0	40,0	17	3.
manipulation with burning ashes		1		6,5	3,0	13	3.
unexpected changes in operational parameter - short circuit				35,0	100,0	8	2.
deliberate ignition				17,3	11,0	5	1.
negligence of safety regulations				2,6	5,0	17	3.
under investigation				45,0	10,0	15	3.
unexpected changes in operational parameter - inflammation of poured incandescent metal				10,0	13,0	1	1.
technical failure of wiring				66,1	30,0	9	2.
unexpected changes in operational parameter in lightning of wiring				8,0	4,0	16	special
technical failure of wiring				75,0	60,0	9	2.
technical failure of shaping press			200	17,0	150,0	5	2.
technical failure in wiring of strip light				100,0	800,0	8	2.
deliberate ignition				0,5	0,5	11	3.
negligence of safety regulations - inflammation of wiring				22,5	5,0	10	2.
under investigation			43	20,0	5,0	5	2.
deliberate ignition				25,0	0,3	10	2.
unexpected changes in operational parameter- inflammation by mechanical grinding of metal container		2		60,0	40,0	8	2.
unproper construction of chimney and combustion drain				10,0	2,0	8	2.
reaction of chemical substances		1				14	3.
negligence by cutting with abrasive disc				0,1	0,4	11	3.
unexpected changes in operational parameter- inflammation from mechanical spark of machine tool		1	1	12,0	300,0	9	2.
unclear						17	3.
negligence by warming up of electric warmer with ventilator				0,9	1,3	12	3.
deliberate ignition				1,0		10	3.

Region	Date	Description (type of the event, place and detailed information)
Pardubice	30. 8.	Fire of coal tower of power plant, SEVERNÍ ENERGETICKÁ EC JSC, Chvaletice - Pardubice, shuttle water transport from enterprises hydrant, fumed and presence of gaseus toxic substances, danger of explosion or destruction, lack of basic firefighting technics and technical means, lack of documentation on fire protection
Vysočina	15. 2.	Fire of paper manufacture hall, CEREPA JS, Červená Řečice -Pelhřimov, shuttle water transport, works at hights or depths, use of foaming agent, cooling of neighbouring objects, storage of toilet paper left burn down
	6. 11.	Fire of nuts and dried fruits storage, IBK TRADE, Horní Cerekev - Pelhřimov, in arrival time of the first fire unit the fire was in full extent, shuttle water transport, cooling of neighbouring objects, in cooperation with Emergency Unit of FRS CR took down the hall construction, liquidation of fire took 15 days due to extuinguishing of burning nutoil heaps
South Moravia	23. 1.	Fire of hey and straw storage, REMAT LETOVICE, LLC, Sebranice -Blansko, fireground spontaneously burned down, cooling of roof shell, shuttle water transport
	18. 3.	Fire of palletes in storage of accessories for windows, BKR. LLC, Vyškov, monitoring of combustion products in close residential area, staff of intervention commander, use of thermal imagine camera, shuttle water transport, works at hights or depths
	3. 4.	Forest fire, Lesní společnost Javorník - Hodonín, area of 400 x 300 m, inaccessible terrain for firefighting technics, helicopter with bambi bag couldn´t intervene due to strong wind, extinguishing by means of simple extuingishers - bucket pump and back bags
	18. 5.	Fire of Casino, RESTAURANTES GANADAS CAFFE A BAR, LLC, Brno, strongly fumed building, use of thermal imagine camera
	14. 9.	Fire of manufacture and storage hall of softfoam and polyurethane mattrasses, BPP, LLC and THERMOSERVIS - TRANSPORT, LLC, Brno, extremly dangerous intervention due to toxic combustion products, overall inflammation - flashover and two explosions with increased flame burning, Laboratory Tišnov of FRS Southmoravia region on place for air pollution monitoring round the fire, cooling of neighhbouring buildings, 1 800 l of foaming agents and more than 1 000 m3 water were used for fire liquidation, the intervention took 3 days, 3 firefighters injured
	12. 11.	Fire of Carding machine in production hall, RETEX, JSC, Moravský Krumlov - Znojmo, strange fume extension, use of thermal imaging camera
	18. 12.	Fire of flytrap manufacture hall, PAPÍRNY MOUDRÝ, LLC., Židlochovice - Brno-venkov, area of 20 x 40 m, explosion of barrel with flammable glue, prevention in flame extension in flammable liquid storage, Laboratory Tišnov of FRS Southmoravian region, 1 employee injured, protective equipment and other material were damaged by glue
Olomouc	25. 6.	Textile storage and office fire, ETCIMEX, LLC, Olomouc, area of 2 000 m2, pressure cylinders carried out - explosion danger, strange fume extension, deployment of high altitude techniques, destruction of whole object, Chemical Laboratory Frenštát pod Radhoštěm intervention, 1 firefighter injured, 37 hours long intervention
Moravian - Silesian	10. 2.	Railway station fire - fire of central signal box and electric cabling, ČD TELEMATIKA, JSC , SPRÁVA ŽELEZNIČNÍ DOPRAVNÍ CESTY, Bohumín - Karviná, fumed and toxic gaseus substances presented, electric current turned on, cable isolation burning in inaccessible rooms
	30. 7.	Fire of stain factory, ŽDB DRÁTOVNA, JSC , Bohumín - Karviná, during intervention 120 m3 acid hydrochloric and phosphoric spilled out of stain container, in fireplace surround water hard contaminated and drained into factory sewage disposal plant, cooling of construction bordering the storage, fumed and toxic gaseus substances presented, roof construction collapsed, danger of explosion, Chemical Laboratory Frenštát pod Radhoštěm intervention, shuttle water transport, works at hights or depths
	25. 9.	Fire of department store, SPORTISIMO, LLC, TAKKO FASHION LLC, DEICHMANN - OBUV LLC, Kopřivnice - Nový Jičín, controlled evacuation of persons in surounding store department, paper waste fire, flame burning under roofin material, large smoke extension, shuttle water transport, 3 firefighters injured
	25. 9.	Bakery fire, PEKÁRNA HRUŠKA LLC, Ostrava, fire caused by the explosion, during intervention came to another explosion and to collaps of the walls in upper floor, shuttle water transport, works at hights or depths
	16. 12.	Fire of hotel and restaurant Fridrich, RADOP CZ LLC, Těrlicko - Karviná, flames extended throw hidden ways in construction, inside stairs collapsed, temperature below freezing point caused water freezing in fire hoses and in hotel surface, fumed and toxic gaseus substances presented, danger of explosion or destruction, large fume extension, shuttle water transport, works at hights or depths, use of soaking agent, 2 firefighters injured while searching people in fumed area

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

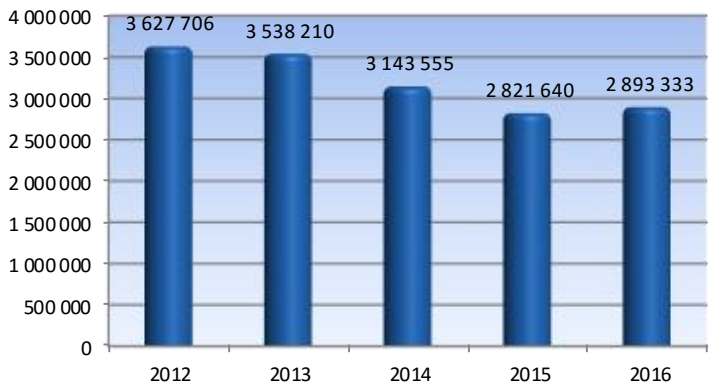
Cause	Number of fatalities	Number of injuries	Number of rescued or evacuated person	Loss (in million CZK)	Salvaged values (in million CZK)	Number of fire units	Stage of alert
under investigation				112,0	400,0	13	3.
technical failure of wiring - clip for dampen of strip light				26,7	20,0	7	2.
deliberate ignition				131,5		10	2.
under investigation				2,6		12	3.
technical failure of wiring				190,0	200,0	19	3.
negligence by brushwood burning				1,0	50,0	22	special
deliberate ignition				10,0		3	2.
under investigation		3		127,5	10,0	23	3.
rubbing and overheating of traffic line in carding machine				10,0	157,0	5	1.
uncorrect use of flammable liquids and gases in work with heat gun		1	1	20,0	70,0	14	2.
deliberate ignition		1		80,0	10,5	21	3.
technical failure of external cabling of high voltage				154,0	54,5	6	1.
under investigation				235,0	507,3	17	3.
under investigation		4	150	53,5	20,0	18	3.
explosion followed after fire in boiler room		1		150,0		8	2.
under investigation		6	3	12,0		14	2.

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.

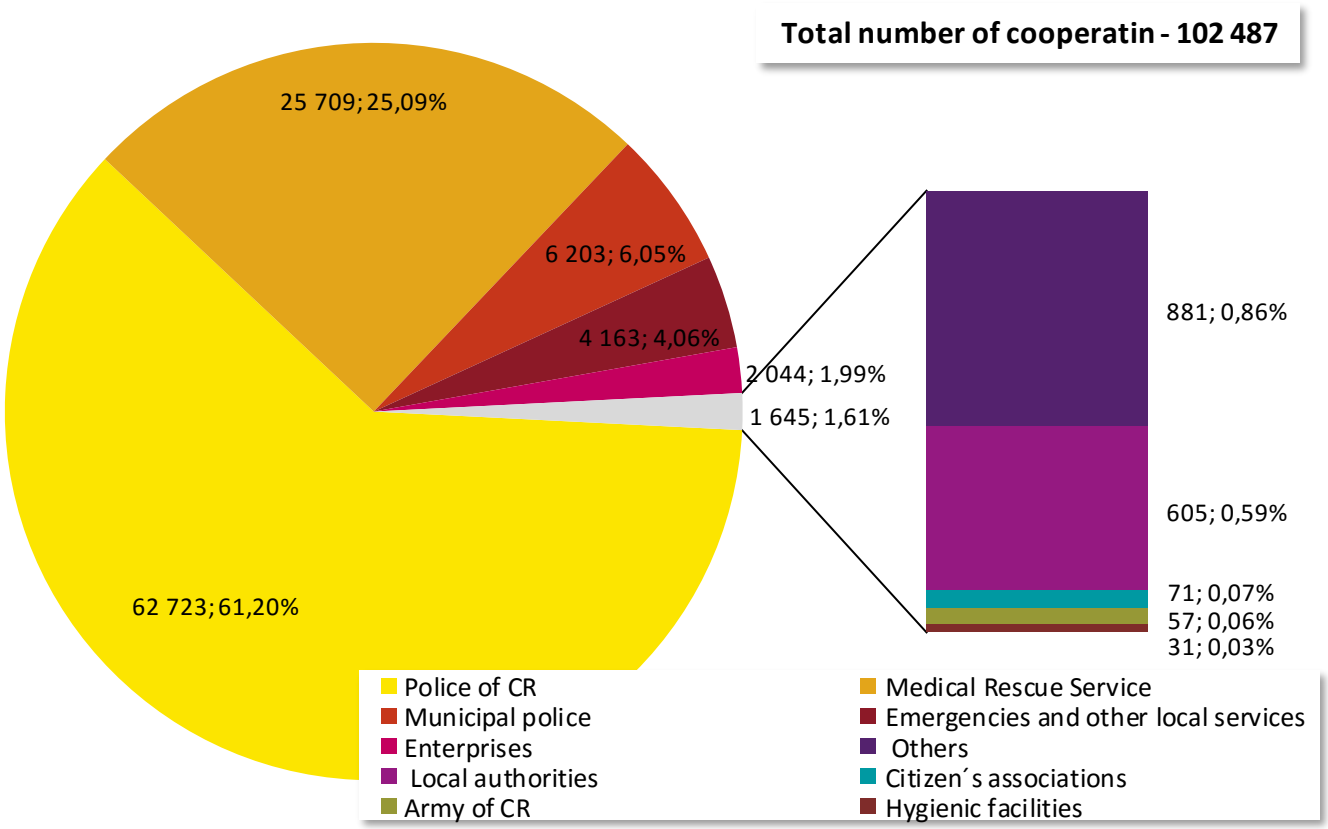
The share of the number of calls to the national emergency number 150 in the total number of emergency calls received by the emergency call centres of the FRS CR is long term stable between 12% and 13%. Compared to the single European emergency number 112, a relatively low incidence of malicious calls and errors is recorded at the national number.

In 2016, the total number of 3 301 926 calls were received by FRS CR, from which 2 893 333 calls were to single European number 112 and 408 593 calls to national number 150.

Number of emergency calls to single European number 112

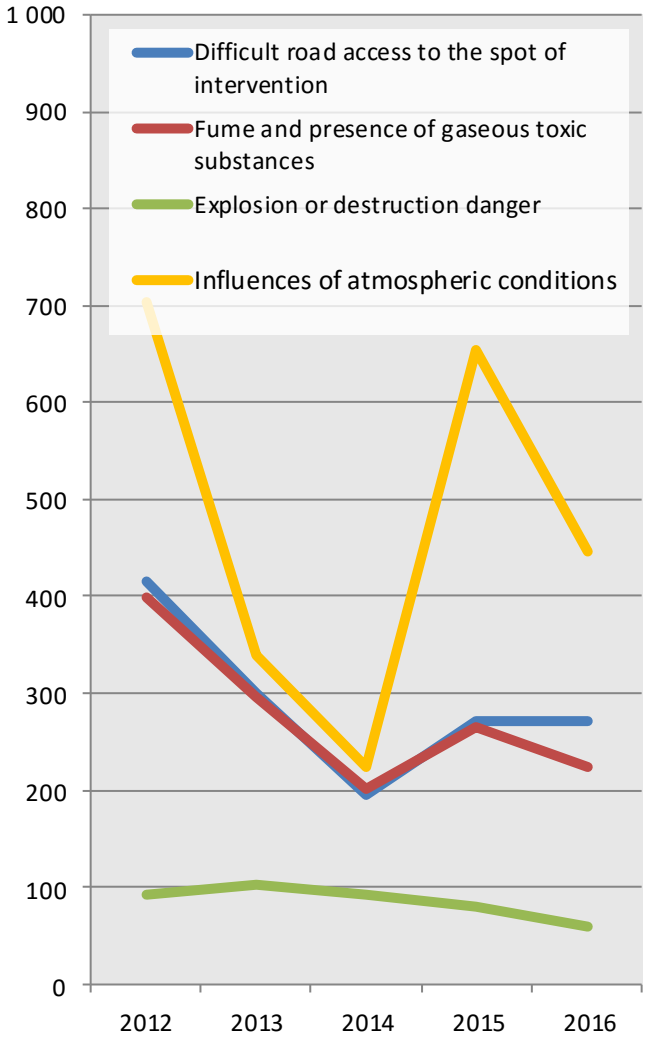


Fire units cooperation in interventions



Negative influences by the interventions

Type	Number	Index %
Late arrival of fire units		
wrong function of fire report office	18	106
failure of communication means	187	75
late reporting after noticing	8	53
late alarm declaring after reporting	21	105
late departure/response after alarm delaring	70	33
difficult road access to the spot of intervention	272	100
vehicle malfunction on the road	22	157
requested local fire unit did not response	50	88
late request of other/auxiliary fire units	2	18
others	50	65
Fire fighting conditions		
lack of resources	5	28
lack of basic fire-fighting equipment	13	65
lack of special fire-fighting equipment	11	73
lack of water	9	39
lack of others fire-fighting means/agens	1	100
lack of protective equipment	2	67
fire fighting equipment failure	65	100
incorrect deployment of fire fighting resources	4	80
inaccurate cooperation with owner/user	36	97
others	7	64
Intervention impending circumstances		
fume and presence of gaseous toxic substances	224	85
radiant heat, melting of flammable substances	57	90
electric current turned on	33	106
explosion or destruction danger	59	75
improper departure area	28	90
improper intervention or evacuation ways	39	80
temperature below 10 °C	23	767
other influences of atmospheric conditions	423	65
negativ influence of technological disposition	8	89
others	31	78



Selected exercises of the Integrated Rescue System bodies in 2016

Exercise of the Integrated Rescue System bodies „Povodeň Mže 2016“ – Plzeň Region

Exercise „Povodeň Mže 2016“ of the Integrated Rescue System bodies and the crisis management authorities was held in Pilsner Region on 23 – 24 March 2016. This exercise was focused on testing of the activities of fire units (especially those which are included in the system of predetermined units for population protection), Police of the CR, Medical Emergency Service of the Pilsner region, authorities of the municipalities with extended competencies and selected municipalities in the area of crisis management. These bodies were dealing with the emergency occurring in connection with floods in the river Mže – below the water structure Hracholusky.

The topic of this exercise was dealing with flood conditions on the river Mže in the cadastre of several municipalities at the water flow Q20 (20-year water). The exercise was attended by a total of 218 trainees, including students of secondary schools.

The rescue works were verified in model situations (saving people cut off by water). Also establishment and installation of flood barriers, evacuation of people affected by floods, warning and notification of population, the provision of humanitarian aid from warehouses of the FRS of the Plzeň Region, the activities of reception and evacuation centres of municipalities, work of crisis staff and flood committee and provision of emergency drinking water supplies were verified.

This exercise was unique due to its wide range and focus not only within Plzeň Region but also throughout the Czech Republic. For the first time in the Plzeň region the deployment of the Fire Brigade Association of Bohemia, Moravia and Silesia (SHMS) – Volunteer Fire Brigade (SDH Nýřany) as other bodies of the Integrated Rescue System was tested. Members of the association working in the field of fire protection were used for the needs of the population protection. This method of use of volunteer groups from SHMS for the population protection has proved to be very useful in practice.

Tactical exercise of the IRS bodies „ARÉNA 2016“ – Hradec Králové Region

Exercise „ARÉNA 2016“ was held in ice rink in Hradec Kralove on 21 September 2016. This exercise was for its wide range the biggest exercise of the IRS bodies in the history of the Hradec Králové region.

This exercise was focused on intervention of the IRS bodies in emergency with a large number of injuries and deaths. The topic of this exercise was the case of a violent attack by one armed man with firearms and cutting weapons against a group of about 1,000 people (fans) attending the HC Mountfield Hradec Králové preparatory match at the ice rink in Hradec Králové. This resulted in injuries and deaths of several people on site and threats to other persons at the ice rink and its surroundings.

This emergency was reported on Emergency Line 158. Integrated Operational Center of the Czech Police (hereinafter referred as to “IOS”) sent the forces and means of the IRS bodies. The exercise was attended by 60 members of the Czech Police, 20 members of the Municipal Police, 21 members of the FRS of the Hradec Králové Region and 30 health care workers from the Medical Emergency Service of the Hradec Králové Region and the University Hospital Hradec Králové.

952 students and teachers of the Gymnasium and the Secondary Medical School from Hradec Králové attended this exercise. There were 5 dead and 19 injured people, of which 9 were seriously injured and 10 were slightly injured. Seriously injured people were transported by ambulances to the University Hospital in Hradec Králové where a traumatology plan was launched. Slight injuries were transported by buses to the University Hospital Hradec Králové.

An educational film is produced from the "ARENA 2016" exercise.

Tactical exercise of the IRS bodies „DÁLNICE 2016“ – Southmoravian region

On 25 May 2016, nearly 90 firefighters participated in a large scale exercise which was aimed at examining the activities of the IRS bodies of the South Moravian Region in coordinating rescue and liquidation works in the case of a traffic accident with large number of injured people, including the provision of care to the crews of vehicles in the colony.

The exercise took place on the Old Motorway in Brno and represented a traffic accident on the highway section with limited speed and narrowing into the left lane for maintenance of the road. The coach bus crashed in this place and stayed on the side. Then three other passenger cars collided with it.

Firefighters had to deal with first aid and the extrication of injured persons. Four people did not survive the accident. The situation was complicated by an intrusive photographer or a dog defending his injured master.

The people in the colony needed to drink or use toilets. Unwelcome viewers began to appear, who were "advising" the rescuers. At the end of the standing colony, which at that time had a length of several kilometres, the car with a trailer carrying the horses crashed.

One of the horses was seriously injured and the other ran away. Veterinary emergency service – horse rescue – was used during the exercise. Firefighters had to deal with these problems in cooperation with bodies of the Integrated Rescue System.

Emergency Medical Service provided medical assistance and they transported 52 injured people. Members of the Police of the Czech Republic were dealing with the traffic situation and protecting the firefighters during their intervention. There was also cooperation with local authorities and association of NGO‘s PANEL of the Southmoravian region, psychological service and others.

The advantage was the possibility of usage the remote transmission of the image from the deck of the helicopter of the Police of the Czech Republic, thanks to which the commander of the intervention and the staff of commander of the intervention had available immediate information about the situation at the spot of intervention.

Tactical exercise of the IRS bodies – Nemocnice Tábor a.s. – Southbohemia region

Exercise of the IRS bodies was held in the Southbohemian region – fire station Tabor on 11 October 2016. The topic of the exercise was the fire in the hospital of Tabor. The hospital is one of the most complex objects in terms of emergency intervention in the territory of the Tábor district. It was established in the thirties of the 20th century and since then many objects had been added and reconstructed. The topic of the exercise was a fire due to negligence in the repair of the main power distributor in the 5th floor with extension to the 6th floor of the building.

There are two intensive care units on these floors. In addition, the fire resulted in the dismantling of the information energy centre. The task of intervening IRS bodies was the practical rescue and evacuation of patients and hospital personnel from the spot of intervention in the building extinguish of the fire, the creation of an emergency supply of electrical energy to workplaces which were not affected by the fire.

The exercise was attended by 96 members of the IRS bodies and hospital staff and 38 students of the Tábor Medical School. Part of the exercise included the designated commissioners of the IRS bodies and hospital, who were tasked with evaluating the activities of all the intervening participants in the exercise.

The main negative complication of the intervention proved to be the actual construction of the building from the eighties, which by its layout solution and the used elements practically allows the rapid spread of fire. It is also possible to mention the lack of digital connection on MATRA radio stations due to the complexity of the building structures or worse orientation in the building. Also, the difference between physical condition and psychological resilience of rescuing professional and volunteer firefighters was also negative.

The problem could arise with the number of medical staff, especially during the night hours when the minimum number of medical staff serves in the individual departments of the hospital. Traffic control in the hospital area by members of the Police was very useful. Activation of the evacuation plan, including the hospital's trauma plan, took place quickly; for the first evacuees who were evacuated by personnel of the hospital, the triage was already prepared.

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, 18 members of the FRS CR participated in a total of 8 international EU exercises in the role of expert teams, observers or organizers of exercises in 2016.

In addition to the above-mentioned experts, the MoI-DG FRS CR deployed 6 rescue teams to 6 international tactical exercises.

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

Selected international exercises of the IRS bodies

Exercise „SEQUANA 2016“, Paris, France

The international exercise SEQUANA 2016 was held in Paris from 11 to 18 March 2016. The main topic of this exercise was floods – the scenario simulated the floods from the 1910 when Paris and its surrounding were affected by the most devastating floods in its history.

France requested an international assistance through EU Civil Protection Mechanism and its Emergency Response Coordination Center (ERCC) for this emergency. Czech Republic offered Chemical Biological Radiological Nuclear detection and Sampling Module (CBRNDET).

CBRNDET Module is determined for intervention in chemical and radiological contaminated area, especially for samplings collection and its analyse. Module consists of 9 firefighters from FRS of the Capital city of Prague – management, logistic and ensuring decontamination in the hazardous area, 4 members of the FRS of Central Bohemia Region (Chemical laboratory Kamenice) and a member of Population Protection Institute in Lázně Bohdaneč with special chromatograph. Transport of the module was ensured by 2 cars, trailer and 2 mobile laboratories. The members of the Chemical laboratory are predetermined to collect samples and to analyse them in the mobile laboratory.

Belgium High Capacity pumping Module also participated in this exercise. Spain deployed similar chemical team as the Czech Republic and they also deployed special diving group and air rescue group. Italy represented by its High Capacity Pumping Module. All teams had to cope with complex tasks prepared by the organizers and demonstrate the ability to cooperate with French rescuers and especially with foreign teams on the sites.

Exercise TRIMODEX 2016, Weeze, Germany

The European exercise focused on the USAR teams was held in the Germany and Netherland borders from 26 to 29 May 2016.

The topic of the exercise was the destructive tornado Isabel which caused landslides, the collapse or partial collapse of most buildings. Medium USAR team of the Czech Republic was deployed to this area. This USAR team consists of the members of the Fire Rescue Brigade of the Moravian-Silesian Region, medical doctor from the hospital in Brno and the K9 predetermined for international rescue operations.

In addition to the USAR team of the Czech Republic, the exercise was also attended by other EU Civil Protection Modules - the Medium USAR of Spain (ERICAM), Heavy USAR team from the UK (ISAR), the European Civil Protection Team (EUCPT) and its support unit TAST from Italy (Technical Assistance and Support Team).

The exercise itself was organized as a four-day exercise with a 36-hour continuous deployment. Each of the team was evaluated and gained feedback from experienced evaluators who evaluated not only the deployment, but also the ability to cooperation and the logistics of the team.

An important part of the exercise was the mutual cooperation of teams both on debris in practical deployment as well as in other areas, for example establishing a base of operation where all the modules had to be able to establish a base on a minimal, totally inadequate space.

However the team leaders of the modules, after a long negotiation, found a solution. Big emphasis was also put on communication with the media and the public, where members of the intervening modules were forced to respond to questions about ethnic preference for rescue work etc.

Exercise „Modex Austria 2016“, Tritolwerk, Austria

Medical team called AMP (Advanced Medical Post) participated in exercise „Modex Austria 2016“. AMP module is composed of members of the Fire Rescue Brigade of the Capital City of Prague and medical staff from University hospital in Brno. This team was deployed in Nepal for a month in 2015 after the devastating earthquake. The team tested there its preparedness for deployment and the ability to assist affected population in different parts of the world.

Module consists of 38 persons: 9 medical doctor, 14 nurses and 15 firefighters. Firefighters ensure management and logistic part of the team. Material of the module can be transported by air or on ground. This module is able to be deployed 10 hours after its activation.

Exercise took place in Tritolwerk in Austria 8 – 11 June 2016. USAR teams from Bulgaria, Austria and Slovenia and a special international unit for assessment the stability of buildings „Matilda“ composed of Italy, Slovenia and Croatia also participated in this exercise.

Exercise „Modex Latvia 2016“, Riga, Latvia

An international exercise „Modex Latvia 2016“ was held in Riga, Latvia from 26 to 31 October 2016. The main topic of the exercise was floods and connecting activities.

Water Search and Rescue team has participated in this exercise. This team was established in Fire Rescue Brigade of Moravian-Silesian Region few years ago. It is the only team of this kind in the Czech Republic.

Teams from Latvia, Germany and Slovakia also participated in the exercise.

WASAR module fulfilled all its challenging tasks and demonstrated a high level of professionalism and preparedness, given the fact that a few days before this exercise, it was undergoing a very demanding international exercise in Croatia.

WASAR module of the FRS Moravian-Silesian Region is specially equipped and trained for rescue work on the water surface, even during floods. It´s members underwent several "flood" exercises abroad. Even at home, they regularly train both in the calm and flowing, and on the wild water. The unit is predetermined for deployment in the event of large floods both inside and outside EU. It must be capable of working for at least ten days and not to be burden to the affected state.

Fires

Basic indicators

Indicator	Value
Number of fires	16 253
Losses (CZK)	3 378 246 000
Salvaged values (CZK)	11 654 305 900
Fatalitites in direct context	84
Total fatalities	124
Injuries	1 291

In 2016, in comparison to 2015, number of fires decreased by 19,7 %, losses increased by 35,4 %. Total of 332 major fires (losses over 1 million CZK) , i.e 2.0 % of all fires, caused 82,9 % of overall losses. Number of fatalities increased by 7,8 % and number of injuries decreased by 10,9 %.

Firefighters rescued 1 066 persons in fire intervention and 12 481 persons were evacuated.
Number of fatalities includes persons, who were found death on place of fire and who didn´t die as a result of fire, they were 40 people of them.
The summary shows, that in 2016 in Czech Republic occured avarage of 45 fires per day with losses of 9.3 million CZK. Early intervention has salvaged values of 31.9 million CZK per day.
Salvaged values were 3.5 times higher than direct loses (by early interventin of fire units).
Remark: Total number of fires includes 9 fires abroad (grass and forest cover, agriculture farm, garage and traffic transporters).

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

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 %
2012	20 492	399	1,9	2 861 527,70	2 217 238,90	77,5
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

Fatalities and injuries in fires

Category	2012		2013		2014		2015		2016		Index %	
	F	I	F	I	F	I	F	I	F[1)]	I	F[2)]	I
Children under 15 years	0	74	3	62	1	87	4	98	2/3	103	85	105
Persons from 15 to 60 years	85	884	81	832	78	748	84	937	46/78	876	93	93
Persons over 60 years	39	103	27	127	35	141	27	172	36/43	130	159	76
Professional firefighters	0	148	0	124	0	123	0	153	0	106	0	69
Voluntary firefighters	1	77	0	44	0	80	0	89	0	76	0	85
Total	**125**	**1 286**	**111**	**1 189**	**114**	**1 179**	**115**	**1 449**	**84/124**	**1291**	**108**	**89**

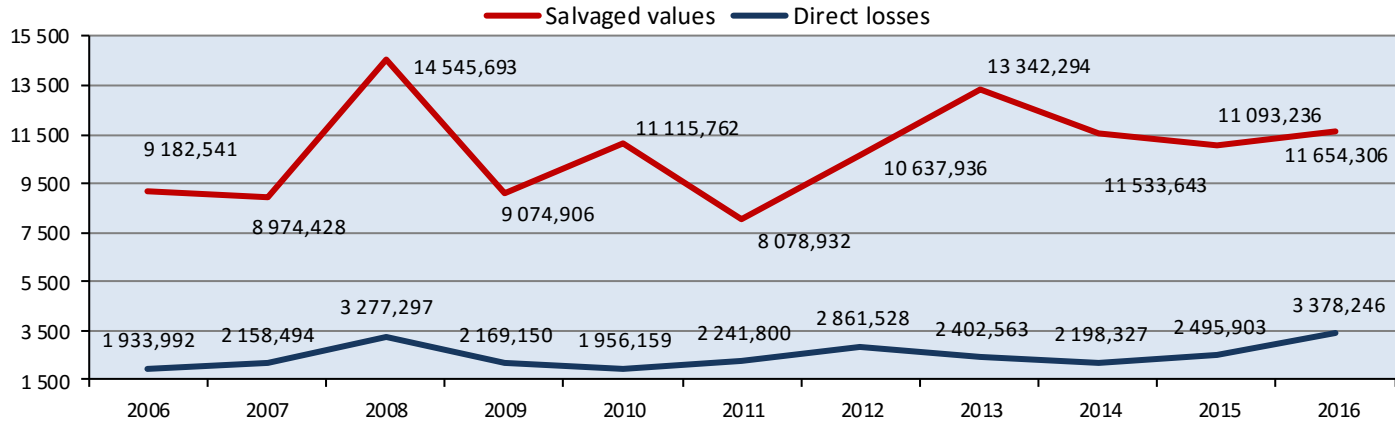
[1)] fatalities in direct context / total fatalities

[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	547	99	270,3	124	1 280,0	2	3	116
Housing funds	1 553	96	113,1	96	811,1	22	27	383
Family houses and other buildings for housing	1 847	121	263,9	106	1 236,6	36	40	308
Buildings and halls for production and services	354	95	1 203,8	634	4 529,9	0	0	53
Energetic production buildings	97	117	178,6	205	614,4	0	1	12
Buildings and objects for parking	92	79	27,5	56	82,2	0	0	12
Buildings for storage (excl. agricultural)	72	129	427,2	468	495,7	0	0	16
Buildings for storage of agricultural products	42	81	22,6	24	66,5	0	0	7
Buildings for arable and animal farming	33	106	21,1	87	47,1	0	0	2
Agricultural objects	9	47	5,2	127	5,1	0	0	2
Objects outside the buildings (excl. agricultural)	151	86	181,0	26	191,3	1	1	10
Objects under construction and reconstructions	44	110	8,7	113	35,5	0	0	2
Provisional and purpose objects at buildings	483	86	140,5	274	218,4	5	5	60
Means of transport and working machineries	1 988	91	399,4	93	1 459,9	6	29	152
Agricultural araes and natural environment	507	46	16,4	38	101,2	0	0	7
Forests	892	51	5,4	29	194,2	0	0	15
Open storage areas	2 041	61	8,2	89	96,3	2	3	22
Demolition and dumps	4 438	84	31,5	92	163,5	6	7	55
Others	1 063	78	53,9	64	25,4	4	8	57

Direct losses and salvaged values in fires in mill. CZK



Fires - summary in branches

Economy branch	Number of fires	Share in %	Index %	Losses in thousands CZK	Share in %	Index %	Fatalities		Injuries
							in direct context	total	
Agriculture	1 875	11,54	55	157 921,30	4,67	57	0	0	28
Forestry*	1 092	6,72	57	19 316,10	0,57	57	0	0	16
Mining of mineral	48	0,30	96	5 704,00	0,17	25	1	1	4
Manufacturing industry	821	5,05	95	1 639 164,90	48,52	170	1	1	66
Electricity and gas production and distribution	185	1,14	84	174 019,30	5,15	344	0	1	10
Building industry	100	0,62	86	13 720,40	0,41	66	0	0	2
Commerce, goods repair	160	0,98	82	116 094,30	3,44	79	0	0	21
Hospitality industry and accommodation	358	2,20	81	106 647,40	3,16	134	0	2	98
Transport	1 777	10,93	87	414 282,10	12,26	173	6	26	140
Post offices and telecommunitations	14	0,09	35	407,00	0,01	16	0	0	1
Financial and insurance industry	8	0,05	114	180,00	0,01	16	0	0	2
Research, company services, real estates	301	1,85	92	44 139,00	1,31	71	5	5	55
Public administration, security	169	1,04	133	3 928,60	0,12	120	0	0	5
Education	47	0,29	90	9 137,60	0,27	247	1	1	4
Health care, social activity	52	0,32	87	11 929,70	0,35	223	0	0	25
Others public and personal services	4 136	25,45	82	219 655,50	6,50	173	2	3	72
Private households	5 012	30,84	95	439 273,80	13,00	97	68	84	733
Others and unclassified	98	0,60	265	2 725,00	0,08	45	0	0	9
Total	**16 253**	**100,00**	**80**	**3 378 246,00**	**100,00**	**135**	**84**	**124**	**1291**

* 2010-2014 - grass coves fires, litterfall fires, needles fires, leaves or peat fires without losses, extension, without fatalities and injuries weren´t included in the category "forestry". They were in category "others and unclassified".

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	**1 223**	**7,53**	**70**	**403 553,8**	**11,94**	**4**	**6**	**60**
suicidal intention	**19**	**0,12**	**100**	**885,5**	**0,03**	**2**	**3**	**9**
children up to 15 years	**143**	**0,88**	**66**	**7 176,7**	**0,21**	**0**	**0**	**36**
unproven fault*	**3 889**	**23,92**	**85**	**35 585,5**	**1,05**	**1**	**1**	**60**
smoking	1 104	6,79	64	26 523,0	0,79	**17**	**19**	71
setting a fire, burning off	947	5,83	68	5 191,0	0,15	**2**	**2**	18
incorrect heater operation	134	0,82	99	10 066,7	0,30	**3**	**4**	38
flammable substances by the heater	44	0,27	71	4 191,0	0,12	**1**	**1**	9
use of flammable liquids and gasses	50	0,31	161	79 556,5	2,35	**1**	**2**	34
use of open fire	259	1,59	92	31 289,9	0,93	**9**	**9**	73
manipulation with burning ashes	303	1,86	96	24 960,6	0,74	**1**	**2**	15
welding, cutting, defreezing	153	0,94	101	35 094,1	1,04	**0**	**0**	15
ignition of food by cooking*	628	3,86	103	15 328,5	0,45	**1**	**2**	90
negligence of safety restrictions	437	2,69	100	101 267,1	3,00	**4**	**5**	100
negligence, mistake, incorrect handling, unclassified negligence	373	2,29	72	21 759,0	0,64	**11**	**11**	43
negligence - total	**4 432**	**27,25**	**x**	**355 227,4**	**10,51**	**50**	**57**	**506**
unproper constructure of the chimney	76	0,47	103	17 220,4	0,51	**0**	**0**	8
walled beam in the chimney	45	0,28	196	14 093,0	0,42	**0**	**0**	8
joints in the chimney	29	0,18	112	10 475,0	0,31	**0**	**0**	4
sparks from the chimney, soot ignition	902	5,55	119	9 558,2	0,28	**0**	**0**	11
chimneys - total	**1 052**	**6,48**	**119**	**51 346,6**	**1,52**	**0**	**0**	**31**
technical failure in heater	33	0,20	94	7 070,0	0,21	**0**	**0**	3
bad condition of heater or flue	24	0,15	150	2 932,0	0,09	**1**	**1**	1
improper placement or instalation of heater	68	0,42	121	15 077,0	0,45	**1**	**1**	12
other heater failure	18	0,11	138	2 005,0	0,06	**0**	**0**	4
heaters - total	**143**	**0,88**	**119**	**27 084,0**	**0,81**	**2**	**2**	**20**
technical failure	2 311	14,22	91	1 072 004,6	31,73	**4**	**6**	246
incorrect instalation	16	0,10	123	2 386,0	0,07	**0**	**0**	4
improper service	13	0,08	144	2 241,1	0,07	**0**	**0**	2
burning materials, products	51	0,31	94	8 344,2	0,25	**0**	**0**	4
foreign object in the machine	86	0,53	29	15 027,0	0,44	**0**	**0**	5
electricity static charge	13	0,08	118	0,0	0,00	**0**	**0**	1
sparks from the exhaust, brakes	85	0,52	61	1 520,9	0,05	**0**	**0**	1
rubbing, overheating	106	0,65	71	40 657,0	1,20	**0**	**0**	3
other changes in operational parameters	665	4,09	98	263 679,3	7,81	**0**	**2**	58
technical failures - total	**3 346**	**20,58**	**86**	**1 405 860,1**	**41,62**	**4**	**8**	**324**
self ignition of agricultural crops	96	0,59	69	11 325,7	0,34	**0**	**0**	2
self ignition of coal	15	0,09	75	879,0	0,03	**0**	**0**	0
self ignition of oils	6	0,04	55	1 988,0	0,06	**0**	**0**	0
self ignition of chemical substances	18	0,11	113	7 347,0	0,22	**0**	**0**	5
self ignition of chemical products	10	0,06	67	561,0	0,02	**0**	**0**	0
other self ignition (e.g. waste)	70	0,43	82	14 266,5	0,42	**0**	**0**	2
self ignitions - total	**215**	**1,32**	**75**	**36 367,2**	**1,09**	**0**	**0**	**9**
gas explosion	6	0,04	75	1 312,0	0,04	**0**	**2**	5
flammable liquids explosion	6	0,04	200	900,0	0,03	**0**	**0**	9
dust explosion	1	0,01	25	6 000,0	0,18	**0**	**0**	1
explosive detonation	0	0,00	0	0,0	0,00	**0**	**0**	0
pressure vessels, boilers explosion	1	0,01	100	0,0	0,00	**0**	**0**	0
explosions - total	**14**	**0,10**	**82**	**8 212,0**	**0,25**	**0**	**2**	**15**
handling of flammable substances	**8**	**0,06**	**50**	**430,0**	**0,01**	**0**	**0**	**3**
lightning - objects with conductor	6	0,04	150	1 691,0	0,05	**0**	**0**	0
lightning - objects without conductor	22	0,14	157	5 741,5	0,17	**0**	**0**	3
lightning - others	37	0,23	37	2 064,0	0,06	**0**	**0**	0
natural disaster	11	0,07	92	225,0	0,01	**0**	**0**	0
traffic accident	103	0,63	64	12 935,0	0,38	**5**	**26**	86
military exercise, fireworks	78	0,48	173	348,3	0,01	**0**	**0**	0
special causes - total	**257**	**1,59**	**76**	**23 004,8**	**0,68**	**5**	**26**	**89**
unclear **	**1 301**	**8,00**	**x**	**53 851,3**	**1,59**	**8**	**8**	**54**
under investigation **	**211**	**1,30**	**x**	**969 661,1**	**28,70**	**8**	**11**	**75**
causes - total	**16 253**	**100,00**	**80**	**3 378 246,0**	**100,00**	**84**	**124**	**1291**

*) new category

**) category was in previous years combined "unclear/under investigation"

Prevention

Survey of fire prevention of FRS CR

			2012	2013	2014	2015	2016
Fire risk assessment		Submitted	102	87	61	121	74
		Approved	56	58	45	78	50
		All approved	605	644	643	689	713
Inspections	Acts preceding inspection*)	Number				2 148	2 449
	Legal entities and trading natural person	Complex inspections	1 170	1 172	1 113	885	874
		Thematic inspections	8 182	8 117	8 248	9 688	9 417
		Inspection supervises	3 415	3 520	2 202	147	17
	Natural person	Complex inspections	0	0	1	0	0
		Thematic inspections	4	10	10	10	6
		Inspection supervises	0	1	0	1	0
	Municipalities	Inspections	405	385	439	371	574
	In inspection group of other authority	Inspections	757	83	45	24	18
Administrative decision	On object exclusion of usage	Number	12	17	17	18	22
	On business ban	Number	91	89	49	24	28
	On shutdown	Number	0	1	0	0	0
	On proper categorization	Number	0	1	0	0	0
	On range and administration of documentation on fire protection	Number	0	1	0	0	0
	To fire risk evaluation	Number	91	80	62	75	57
	On impose a fine to legal entitites or trading natural person	Number	531	633	681	789	781
		CZK	7 503 500	7 984 000	8 223 000	12 877 000	11 972 400
	On offence	Number	90	58	65	154	87
		CZK	239 900	174 500	124 500	209 500	141 100
	Impose a fine	Number	1 376	1 043	1 102	1 230	1 264
		CZK	665 800	522 320	594 000	585 860	795 750
	Other decisions	Number	50	20	27	7	19
Structural prevention	Issued statements	Number	80 140	78 280	79 167	78 449	87 489
	Territorial and structural management	Number of invitation	26 766	23 189	21 321	19 964	20 830
		Number of attendance	2 234	2 791	1 670	1 653	1 504
	Instalattion building into the use	Number of invitation	34 338	33 189	35 183	36 200	36 279
		Number of attendance	30 062	28 527	31 024	31 844	32 112
	Cooperation out of range of fire supervision	Number of disposed requests	801	649	669	804	969
Other activities	Disposed requests	Number	7 636	8 618	9 203	11 299	18 954
Investigation of fire causes	Fire documentation	Number	8 861	8 517	8 330	9 499	8 227
	Fire-technical expertise	Number	507	475	457	521	537

*) Acts preceded inspections - new monitored item, acts provided before inspections launching in accordance with par. 3 of the Law No. 255/2012 Coll., on inspection (inspection schedule)

Note: Difference 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 and cancelling of fire-risk evaluations due to changes of company activity.

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 2016, the sum of 73 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 30.79 million CZK for assistance to Syria and Lebanon and for realization of the MEDEVAC programme (1.9 million CZK from the budget from the Ministry of Foreign Affairs.)

During 2016, 35 humanitarian activities in 25 countries were supported in the total amount of 101 241 690.53 CZK. Almost 70% of the budget (72 million CZK) was allocated to assistance in connection with conflicts in Syria, Iraq, South Sudan, Central African Republic and Afghanistan and forced displacement in those regions.

The financial humanitarian assistance was provided to following countries: Greece, Turkey, Syria, Iraq, Burma, Nepal, Ethiopia, South Sudan, Central African Republic, Lebanon, Africa and India, Sri Lanka, Macedonia, Iran and Pakistan, South Africa Region, Ecuador, Palestinian Territories, and UN-OCHA.

Year	2012	2013	2014	2015	2016
Number of incidents	33	27	35	43	35
Number of lands	21	30	26	26	25
Sum in millions of CZK	73,0	73,0	83,5	89,9	101,2

International rescue operations and providing material humanitarian assistance abroad

Greece

Greece requested the international assistance in connection with large influx of refugees through Emergency Response Coordination Centre. Czech Republic deployed convoy with material humanitarian assistance in the beginning of January 2016. Assistance included inflatable mattresses, sleeping bags, heaters, blankets and raincoats. The total amount of this assistance was almost 4.3 million CZK. Material assistance in connection with refugee crisis was sent from the Czech Republic to other countries also in 2015.

Germany – Dresden

Since mid-March 2016, Czech cargo ship Albis, which was stuck at the Albert Bridge, blocked the boat traffic on Elbe in the centre of Dresden. After an unsuccessful attempt to extricate the boat, the local authorities asked the Czech side for cooperation. Czech team composed of the members of the Rescue unit of the Fire Rescue Service of the Czech Republic participated in the crisis staff meeting where the exact procedure was set up. On 21 March 2016, the unit ensured transport of two extrication tanks VT 72 to Germany. Both tanks were set up and secured on each side of the river Elbe. Using the winch attached to the ship and the third tug of the tugboat, they managed to extricate the boat and then drag it to the nearest port. The action itself took only a few minutes and went around without any complications.

Macedonia

Macedonia was affected by torrential rain and floods in the beginning of August 2016. After the request of assistance from Macedonia, the Czech Republic provided material humanitarian assistance in form of power generators and pumps. This humanitarian was distributed in Macedonia by Protection and Rescue Directorate of Macedonia to most affected areas. The total amount of this material assistance was almost 1.28 million CZK.

Detailed information about humanitarian assistance not only in the year 2016 can be found on www.usar.cz.
For 2017 the allocated budget for humanitarian assistance to foreign countries is 130 million CZK.

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 Fire-fighters II" is being realized.

This project is primarily focused on the training of Moldovan fire-fighters 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 the safe and proper conduct of the interventions.

The purchase of chemical protective suits, compressors, sealing sets for preventing leakage of HAZMAT, detection devices and automatic external defibrillators was realized in the 2016. The training facility for the training of the HAZMAT interventions was established in Moldova. Training of Moldovan firefighters was held in the Czech Republic in July 2016. This training was focused on calibration of detection devices. In October 2016, training was held in Moldova and this training was focused on HAZMAT interventions. As part of this training, the official handover of the material that was purchased for the Moldovan fire-fighters was also carried out. Other project activities will continue in 2017. The entire project is funded by the Czech Development Agency.

Economic indicators

Fire and 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		2012	2013	2014	2015	2016
GDP in current prices[1)]	bill. CZK	4 047,7	4 086,3	4 262,2	4 445,5	4 547,7
Real expenditures of FRS CR[2)]	bill. CZK	6,851	7,860	7,648	8,049	8,651
Non-investment subsidies from state budget for ensuring municipal VFU activity	bill. CZK	0,054	0,346	0,080	0,061	0,061
Investment subsidies from state budget for ensuring municipal VFU activity [3)]	bill. CZK	0,010	0,018	0,010	0,063	0,238
Share of real expenditures of FRS CR due to GDP	%	0,17	0,19	0,18	0,18	0,19
Direct losses caused by the fire	bill. CZK	2,862	2,402	2,198	2,496	3,378
Direct losses due to GDP	%	0,07	0,06	0,05	0,06	0,07
Salvaged values in fires	bill. CZK	10,638	13,343	11,534	11,093	11,654
Salvage values due to GDP	%	0,26	0,33	0,27	0,25	0,26

[1)] GDP for 2016 is defind 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. As fire is considered also undesirable combustion in which people, animals, property or environment are in imminent danger.

Traffic accident – intervention related with 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 to an emergency caused by harmfully acting forces and phenomena caused generally or locally by natural influences that threaten the 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.

Statistical Yearbook 2016

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 Fire and Rescue Service
Translation:	Iva Brejzová
Copyreaders:	Roman Bílý

Translation without English language editing.