

*Ministry of Interior – General Directorate  
of Fire and Rescue Service of the Czech Republic*

# *Statistical Yearbook 2015*

## *Czech Republic*



*Fire Protection*

*Integrated Rescue System*

*Fire and Rescue Service of the Czech Republic*

**Prague 2016**

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## Notes:

Dash (-)	event didn't occur or wasn't monitored	D	deaths
Cross (x)	entry was omitted for logical reasons	I	injuries
Index %	compares the data of 2012 to the state in 2011 (unless stated otherwise)	FRS CR	Fire and 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 2015

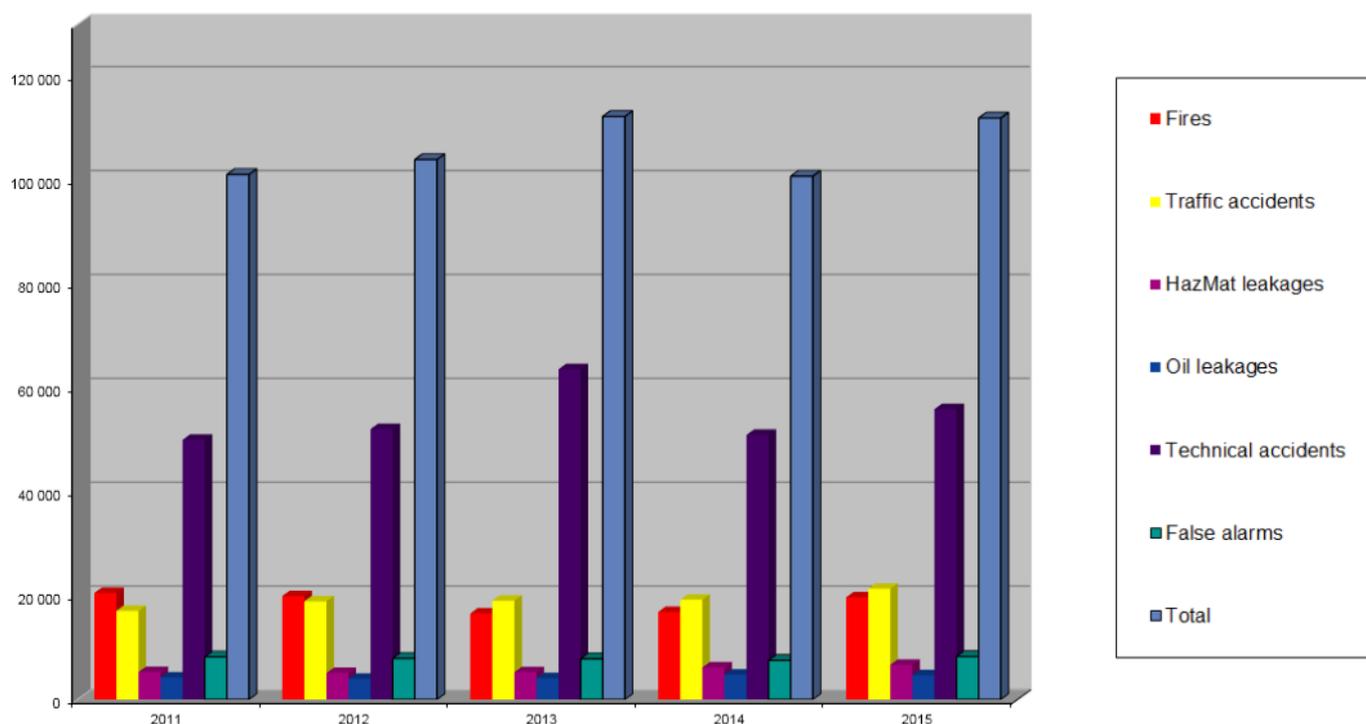
# Fire units' activities

Number of particular types of incidents with fire units' intervention (number)

Incident type	Number of incidents					index %
	2009	2010	2011	2012	2013	
Fires	20 511	19 908	16 563	16 851	19 685	18,0
Traffic accidents	17 061	18 910	19 023	19 219	21 330	19,0
HazMat leakages	5 285	5 106	5 253	6 161	6 693	6,0
from these oil products	4 251	3 990	4 107	4 793	4 675	4,2
Technical accidents in total	50 035	52 084	63 596	50 965	55 928	50,0
from these technical accidents	17	13	4	9	7	0,0
technical assistances	45 736	46 648	57 103	44 967	49 525	44,2
technological assistances	652	780	860	617	747	0,7
other assistances	3 630	4 643	5 629	5 372	5 649	5,0
Radiation incidents	1	1	1	1	0	0,0
Other emergencies	6	67	8	52	75	0,1
False alarms	8 202	7909	7 837	7 527	8 273	7,4
<b>Total</b>	<b>101 101</b>	<b>103 985</b>	<b>112 281</b>	<b>100 776</b>	<b>111 984</b>	<b>100,0</b>

Note: The total also includes 24 incidents (including 7 fires), that took place in abroad, with an intervention of Czech Republic fire units.

## Incidents



18,416 persons were rescued and 45,052 people were evacuated by fire units during the interventions in 2015.

Interventions on natural disasters (number)

Incident type / Year	2011	2012	2013	2014	2015
Fires	37	125	102	137	208
Traffic accidents	82	397	641	406	613
HazMat leakages	1	5	44	9	4
Technical accidents and other	5 844	7 923	31 007	15 297	12 885
<b>TOTAL</b>	<b>5 964</b>	<b>8450</b>	<b>31794</b>	<b>15849</b>	<b>13710</b>

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

Incident type	FRS CR			Municipal VFU			Enterprises FRS		
	2014	2015	index %	2014	2015	index %	2014	2015	index %
Fires	18 551	22 360	121	13 735	20 012	146	1 155	1 407	122
Traffic accidents	21 306	23 774	112	3 849	4 576	119	1 176	1 196	102
HazMat leakages	5 779	6 379	110	1 272	1 329	104	533	538	101
from these oil products	4 203	4 088	97	1 031	954	93	417	400	96
Technical accidents in total	42 668	45 656	107	16 957	17 314	102	2 756	2 819	102
from these technical accidents	468	10	2	117	4	3	1	3	300
technical assistances	37 314	40 428	108	15 438	15 852	102	2 149	2 168	101
technological assistances	415	523	126	155	327	111	112	131	117
other assistances	4 471	4 695	105	1 247	1 131	91	494	517	105
Radiation incidents	2	0	0	0	0	0	0	0	0
Other emergencies	108	161	149	10	23	230	0	9	x
False alarms	6 027	6 553	109	1 982	2 337	118	1 999	2 194	110
<b>Total</b>	<b>94 441</b>	<b>104 883</b>	<b>111</b>	<b>37 805</b>	<b>45 591</b>	<b>121</b>	<b>7 619</b>	<b>8 163</b>	<b>107</b>

**Basic information on fire units**

Basic information	Fires					
	2011	2012	2013	2014	2015	Index %
Number of interventions	37 977	39 505	31 799	33 514	43 943	131
from those in other regions	18	26	12	19	40	210
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 accidents in 3rd or special stage of alert	22	23	15	17	49	288
Number of intervening firefighters	209 921	218 661	175 073	183 330	236 877	129
Average number of firefighters per intervention	5,53	5,53	5,51	5,47	5,39	99
Average distance to incident in kilometres	7,33	8,07	7,32	7,46	8,33	112
Average intervention time in minutes	93	131	103	124	133	107
Number of incidents with use of protective equipment	3 494	3 706	3 414	3 603	4 030	112
Number of incidents with heat protective clothing	10	9	12	1	1	100
with chemical clothing	14	9	2	2	0	0
with air-type breathing apparatus	5136	5 681	5 098	6 264	6 164	98
with oxygen-type breathing apparatus	5	2	3	6	7	117

**Number of firefighters killed and injured during interventions (number)**

Category	2011		2012		2013		2014		2015		index %	
	D	I	D	I	D	I	D	I	D	I	D	I
Professional	0	303	0	332	0	316	0	307	0	324	0	106
Voluntary	0	102	1	122	0	119	0	121	0	137	0	113
<b>Total</b>	<b>0</b>	<b>405</b>	<b>1</b>	<b>454</b>	<b>0</b>	<b>435</b>	<b>0</b>	<b>428</b>	<b>0</b>	<b>461</b>	<b>0</b>	<b>108</b>

**Incidents with intervention of military fire units**

	2011	2012	2013	2014	2015	index %
Fires under MoD responsibility	224	276	101	135	198	139
Total damage (thousands CZK)	2 684,5	2 470,0	798,0	9 132,0	2 794,0	31
Salvaged values (thousands CZK)	27 673,0	92 300,0	128 425,0	13 237,0	125 429,0	948
Fires outside of MoD responsibility	17	12	9	6	19	317
Technical interventions under MoD	3 622	4 451	4 234	5 244	5703	109
Technical interventions outside of MoD	8	7	18	23	18	78

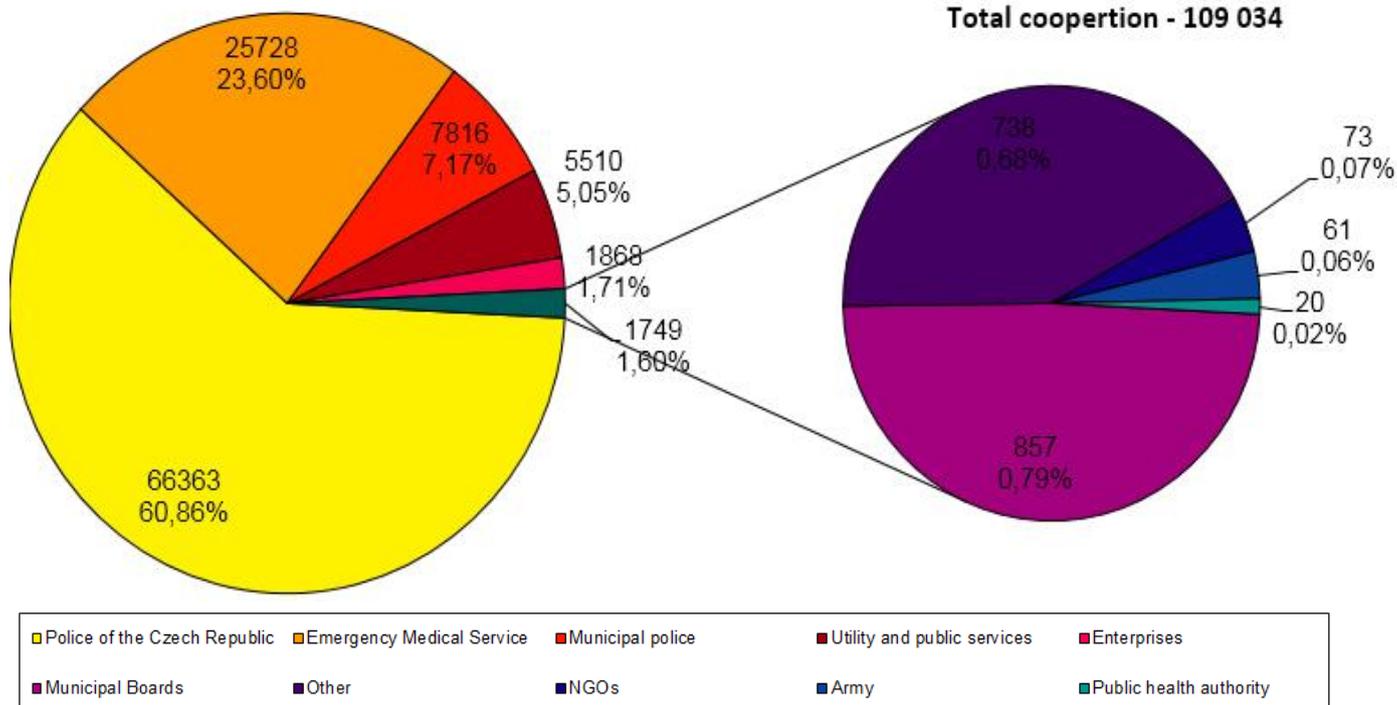
Pursuant to Fire Act No. 133 of 1985 Coll., as amended, fire supervision in premises under responsibility of Ministry of Defence is provided by fire protection bodies of the MoD according to Article 85a. Military Fire Supervision body provides fire supervision of military objects, premises, military bases and in companies established by MoD according to Article 31. Military Fire Supervision body has 7 employees.

Military fire units operate as fire units according to Article 65a. Within the Czech Army, 452 firefighters serve in 17 fire units including six teams of reduced state, which are intended to support IRS in emergencies.

Enterprises VFU			other fire units			Total		
2014	2015	index %	2014	2015	index %	2014	2015	index %
61	93	152	12	71	592	33 514	43 943	131
20	19	95	1	39	3900	26 352	29 604	112
34	38	112	14	39	279	7 632	8 323	109
30	32	107	1	6	600	5 682	5 480	96
312	303	97	42	114	271	62 735	66 206	106
0	0	0	0	0	0	586	17	3
163	169	104	34	103	203	55 098	58 720	107
72	65	90	0	1	x	754	1 047	139
77	69	90	8	10	125	6 297	6 422	102
0	0	0	0	0	0	2	0	0
0	0	0	0	8	x	118	201	170
709	1 115	157	1	8	900	10 818	12 207	113
<b>1 136</b>	<b>1 568</b>	<b>138</b>	<b>70</b>	<b>279</b>	<b>399</b>	<b>141 071</b>	<b>160 484</b>	<b>114</b>

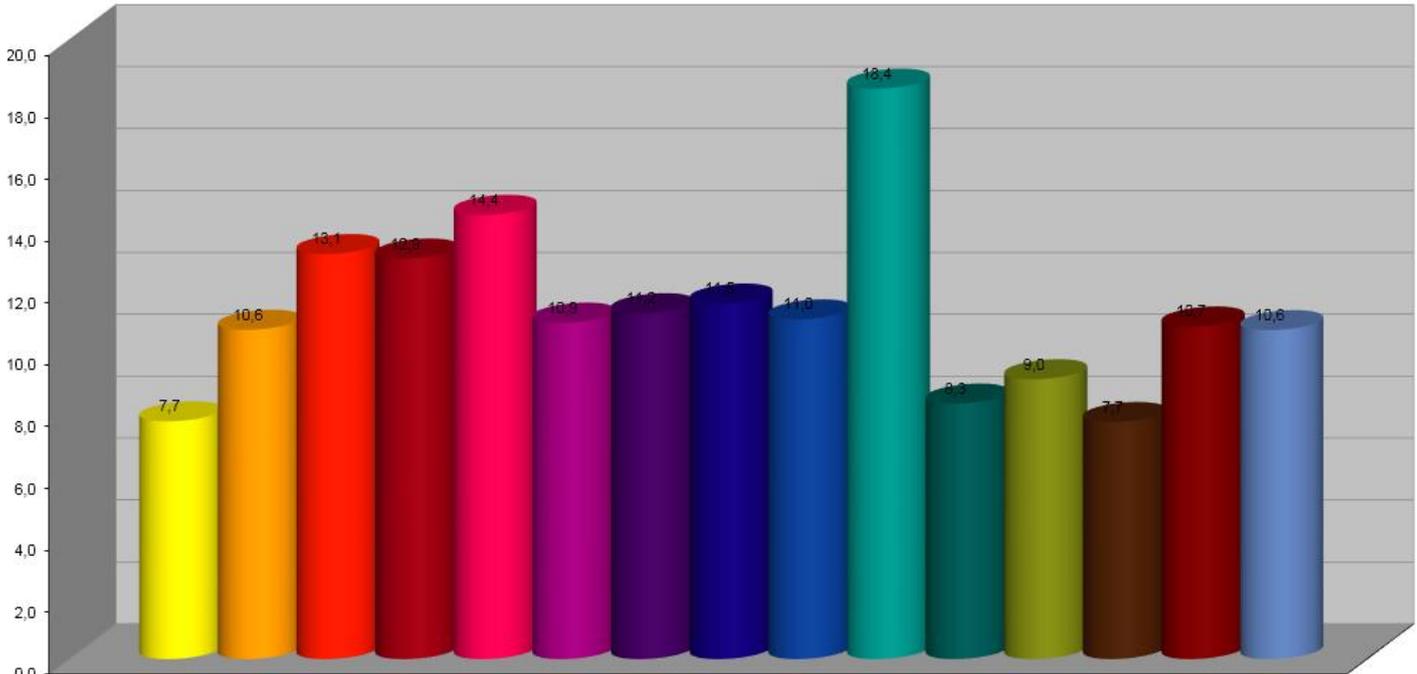
Technical interventions						False alarms					
2011	2012	2013	2014	2015	Index %	2011	2012	2013	2014	2015	Index %
84 348	90 246	116 167	96 839	104 334	108	10 594	10 825	10 510	10 718	12 207	114
99	416	241	198	120	61	9	12	10	16	6	37
251	318	1 043	535	349	65	34	46	44	39	36	92
1 157	1 875	6 989	2 624	1 430	54	351	627	506	460	615	134
2	0	50	6	1	17	0	0	0	0	0	0
354 403	380 567	460 324	413 986	454 361	110	50 957	50 315	49 778	52 769	58 126	110
4,27	4,28	4,22	4,39	4,42	101	4,97	4,93	4,98	5,14	5,01	97
7,54	7,88	7,54	7,53	7,56	100	4,77	4,71	4,78	4,95	5,10	103
91	148	133	62	85	137	15	16	13	14	14	100
394	460	503	489	522	107	75	44	64	41	43	105
7	6	7	3	2	67	1	1	0	1	0	0
54	45	128	60	53	88	0	0	1	0	0	0
370	448	507	543	545	100	75	43	64	39	43	110
3	5	2	2	4	200	0	0	0	0	0	0

### Cooperation of fire units in incidents

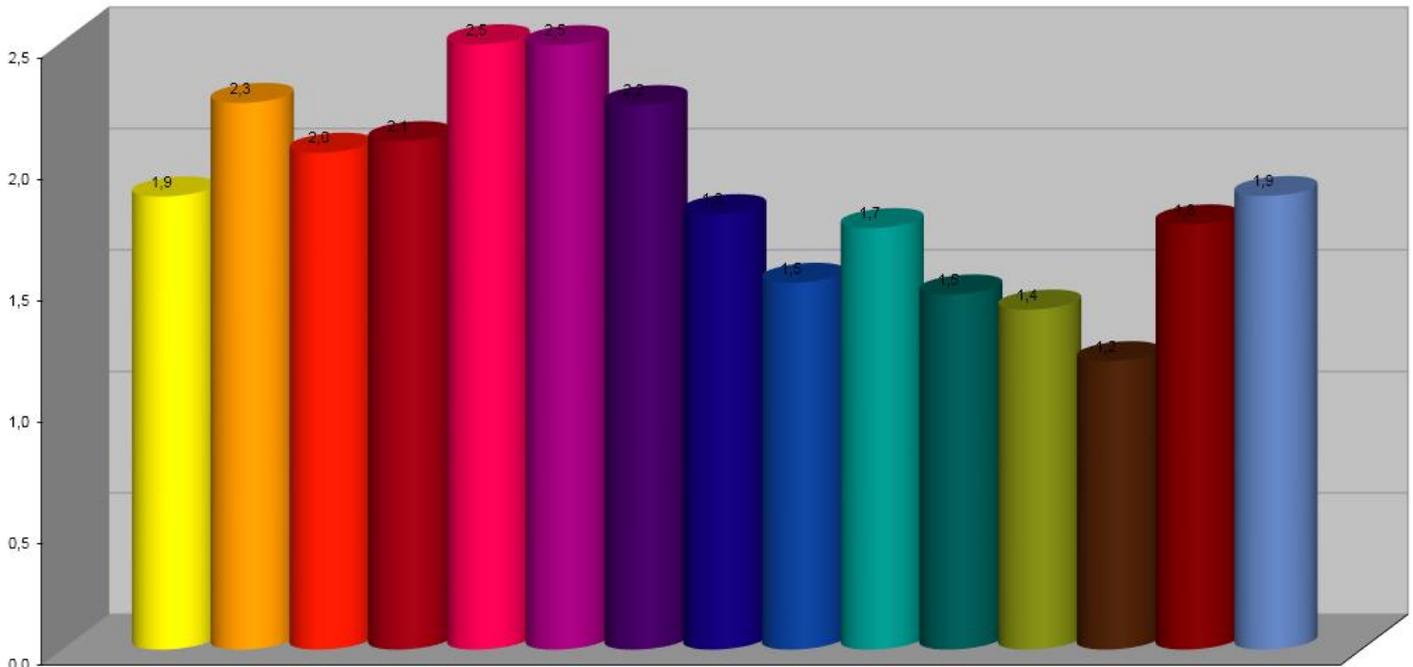


## Number of incidents in regions (per 1000 inhabitants)

### Incidents total



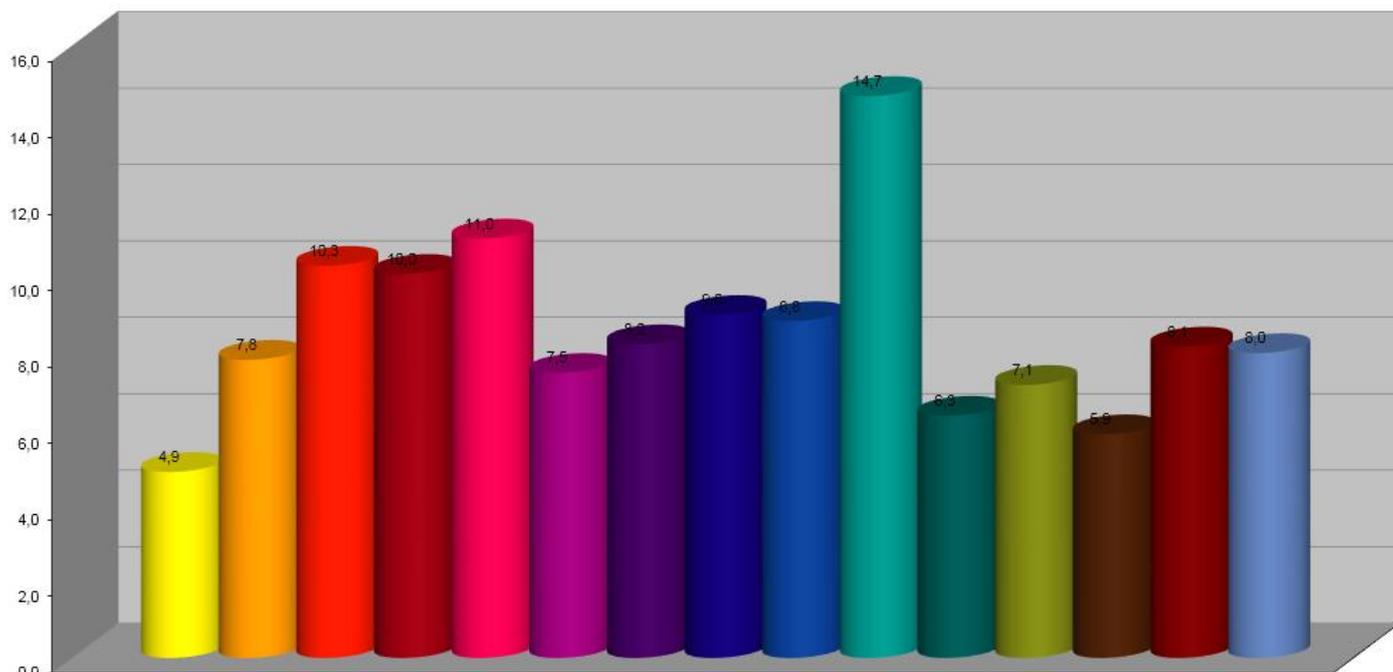
### Fires



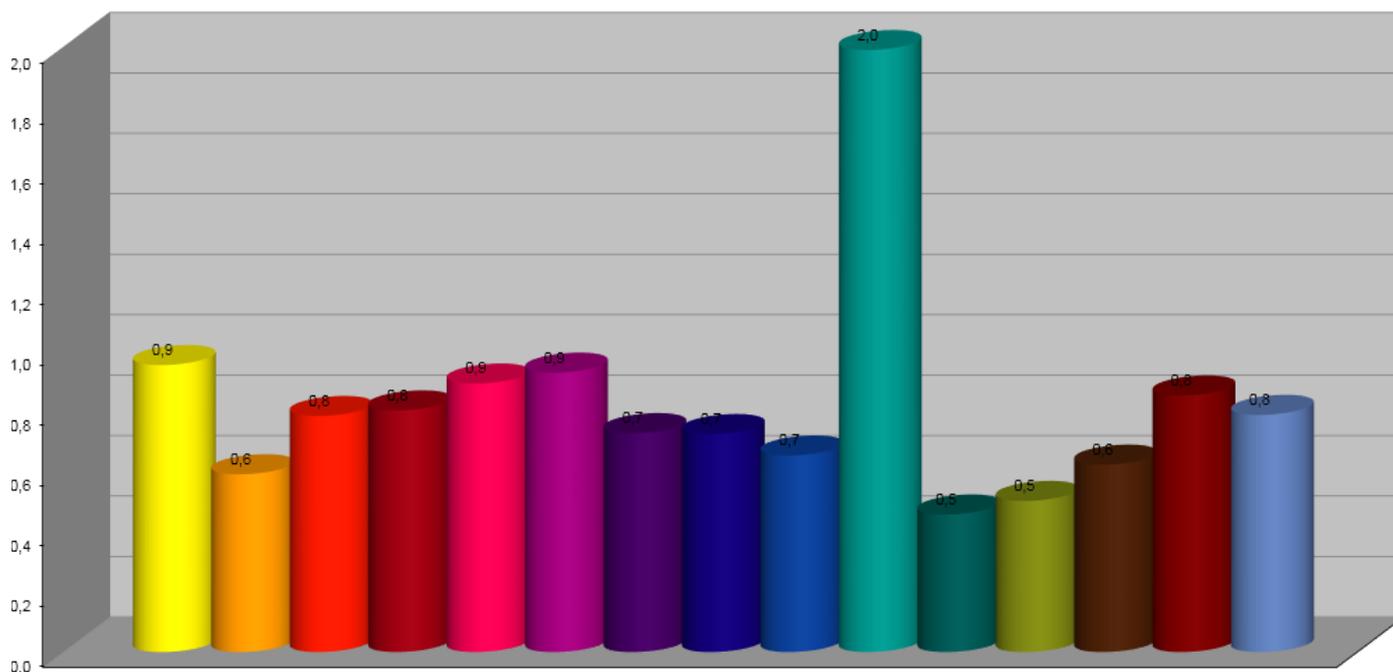
## Cumulative information on incidents in regions

Incident type	City of Prague	Central Bohemian	South Bohemian	Plzeň	Karlovy Vary	Ústí nad Labem
Fires	2 349	2 961	1 304	1 204	746	2 051
Traffic accidents	984	3 500	1 384	1 521	653	1 304
HazMat leakages	786	929	324	511	350	667
from these oil products	644	699	287	353	266	499
Technical accidents in total	4 310	5 827	4 829	3 746	2 280	4 167
from these technical accidents	0	0	0	0	0	1
technical assistances	4 200	5 044	4 296	3 217	1 947	3 600
technological assistances	2	60	60	49	167	110
other assistances	108	723	473	480	166	456
Radiation incidents	0	0	0	0	0	0
Other emergencies	44	1	0	0	0	5
False alarms	1 196	774	498	460	266	762
<b>Total</b>	<b>9 669</b>	<b>13 992</b>	<b>8 339</b>	<b>7 442</b>	<b>4 295</b>	<b>8 956</b>

### Technical interventions



### False alarms



Liberec	Hradec Králové	Pardubice	Vysočina	South Moravian	Olomouc	Zlín	Moravian-Silesian	CR
984	989	780	885	1 715	890	695	2 132	<b>19 685</b>
1 234	1 697	1 482	1 363	1 937	1 277	869	2 121	<b>21 326</b>
420	334	250	368	599	287	261	607	<b>6 693</b>
331	256	174	269	286	155	150	306	<b>4 675</b>
1 944	2 913	2 818	5 762	4 888	2 967	2 293	7 189	<b>55 933</b>
0	3	2	0	1	0	0	0	<b>7</b>
1 820	2 660	2 245	5 239	4 325	2 718	1 864	6 356	<b>49 531</b>
1	13	32	134	51	15	32	21	<b>747</b>
123	237	539	389	511	234	397	812	<b>5 648</b>
0	0	0	0	0	0	0	0	<b>0</b>
3	4	0	2	6	8	1	0	<b>74</b>
318	398	336	1016	534	318	363	1 034	<b>8 273</b>
<b>4 903</b>	<b>6 335</b>	<b>5 666</b>	<b>9 396</b>	<b>9 679</b>	<b>5 747</b>	<b>4 482</b>	<b>13 083</b>	<b>111 984</b>

## Interventions in districts and regions

District (region)	Interventions total		FRS CR			Municipal VFU			Enterprises FRS			Other units	
	Number	Ind.%	Number	Ind.%	% in total	Number	Ind.%	% in total	Number	Ind.%	% in total	Number	% in total
<b>City of Prague</b>	<b>11848</b>	<b>115</b>	<b>9918</b>	<b>114</b>	<b>83,7</b>	<b>657</b>	<b>131</b>	<b>5,5</b>	<b>1267</b>	<b>107</b>	<b>10,7</b>	<b>6</b>	<b>0,1</b>
Benešov	2027	144	1210	128	59,7	775	177	38,2	40	200	2,0	2	0,1
Beroun	1653	116	1130	110	68,4	491	131	29,7	29	181	1,8	3	0,1
Kladno	2123	129	1564	120	73,7	543	172	25,6	13	52	0,6	3	0,1
Kolín	1328	104	878	102	66,1	382	127	28,8	68	87	5,1	0	0,0
Kutná Hora	1132	122	794	119	70,1	287	144	25,4	50	86	4,4	1	0,1
Mělník	1677	113	1037	110	61,8	403	202	24,0	236	117	14,1	1	0,1
Mladá Boleslav	1935	120	1300	119	67,2	421	174	21,8	208	95	10,7	6	0,3
Nymburk	1534	136	979	127	63,8	489	170	31,9	63	93	4,1	3	0,2
Prague-east	2862	120	1716	114	60,0	1031	131	36,0	113	130	3,9	2	0,1
Prague-west	2366	126	1518	122	64,2	797	133	33,7	44	126	1,8	7	0,3
Příbram	2014	135	1225	122	60,8	741	164	36,8	45	161	2,2	3	0,2
Rakovník	1330	172	719	144	54,1	588	223	44,2	19	190	1,4	4	0,3
<b>Central Bohemian</b>	<b>21981</b>	<b>126</b>	<b>14070</b>	<b>118</b>	<b>64,0</b>	<b>6948</b>	<b>151</b>	<b>31,6</b>	<b>928</b>	<b>110</b>	<b>4,2</b>	<b>35</b>	<b>0,2</b>
České Budějovice	2436	119	1970	113	80,9	363	153	14,9	88	154	3,6	15	0,6
Český Krumlov	1529	135	1000	126	65,4	421	173	27,5	108	119	7,1	0	0,0
Jindřichův Hradec	1697	129	999	120	58,8	656	144	38,7	40	148	2,4	2	0,1
Písek	1142	147	704	120	61,6	418	240	36,6	20	118	1,8	0	0,0
Prachatice	1029	116	572	138	55,6	421	136	40,9	26	186	2,5	10	1,0
Strakonice	1252	165	821	136	65,6	373	316	29,8	45	155	3,6	13	1,0
Tábor	1352	138	899	126	66,5	414	175	30,6	37	137	2,7	2	0,2
<b>South Bohemian</b>	<b>10437</b>	<b>132</b>	<b>6965</b>	<b>120</b>	<b>66,7</b>	<b>3066</b>	<b>173</b>	<b>29,4</b>	<b>364</b>	<b>132</b>	<b>3,5</b>	<b>42</b>	<b>0,4</b>
Domažlice	1145	138	731	127	63,8	392	177	34,2	21	233	1,8	1	0,1
Klatovy	2009	139	1275	127	63,5	613	182	30,5	25	167	1,2	96	4,8
Plzeň-south	1190	139	737	122	61,9	432	185	36,3	21	131	1,8	0	0,0
Plzeň-city	2211	118	1942	116	87,8	219	187	9,9	50	75	2,3	0	0,0
Plzeň-north	1424	125	917	120	64,4	477	141	33,5	30	136	2,1	0	0,0
Rokycany	938	118	620	110	66,1	306	146	32,6	12	120	1,3	0	0,0
Tachov	1355	126	867	127	64,0	469	138	34,6	19	90	1,4	0	0,0
<b>Plzeň</b>	<b>10272</b>	<b>129</b>	<b>7089</b>	<b>121</b>	<b>69,0</b>	<b>2908</b>	<b>112</b>	<b>28,3</b>	<b>178</b>	<b>102</b>	<b>1,7</b>	<b>97</b>	<b>0,9</b>
Cheb	1825	131	1125	119	61,6	561	156	30,7	138	155	7,6	1	0,1
Karlovy Vary	2305	110	986	103	42,8	1240	120	53,8	79	41	3,4	0	0,0
Sokolov	1926	118	916	108	47,5	870	136	45,2	138	119	7,2	2	0,1
<b>Karlovy Vary</b>	<b>6056</b>	<b>116</b>	<b>3027</b>	<b>110</b>	<b>50,0</b>	<b>2671</b>	<b>130</b>	<b>44,1</b>	<b>355</b>	<b>89</b>	<b>5,9</b>	<b>3</b>	<b>0,0</b>
Děčín	2102	112	1226	106	58,3	826	121	39,3	49	104	2,3	1	0,0
Chomutov	1671	101	775	100	46,4	619	103	37,0	277	114	16,6	0	0,0
Litoměřice	1656	140	1100	123	66,4	500	194	30,2	55	157	3,3	1	0,1
Louny	1262	102	816	100	64,7	404	105	32,0	42	108	3,3	0	0,0
Most	1602	116	1011	117	63,1	266	137	16,6	322	100	20,1	3	0,2
Teplice	1664	126	1069	126	64,2	486	141	29,2	106	94	6,4	3	0,2
Ústí nad Labem	1405	93	1024	97	72,9	248	98	17,7	132	66	9,4	1	0,0
<b>Ústí nad Labem</b>	<b>11362</b>	<b>112</b>	<b>7021</b>	<b>110</b>	<b>61,8</b>	<b>3349</b>	<b>122</b>	<b>29,5</b>	<b>983</b>	<b>100</b>	<b>8,6</b>	<b>9</b>	<b>0,1</b>
Česká Lípa	2323	122	1047	115	45,1	1234	129	53,1	39	100	1,7	3	0,1
Jablonec nad Nisou	1268	106	872	104	68,8	377	114	29,7	19	63	1,5	0	0,0
Liberec	2713	119	1533	112	56,5	1033	135	38,1	147	108	5,4	0	0,0
Semily	1473	122	844	109	57,3	591	145	40,1	38	165	2,6	0	0,0
<b>Liberec</b>	<b>7777</b>	<b>118</b>	<b>4296</b>	<b>110</b>	<b>55,2</b>	<b>3235</b>	<b>131</b>	<b>41,6</b>	<b>243</b>	<b>107</b>	<b>3,1</b>	<b>3</b>	<b>0,0</b>
Hradec Králové	2583	174	1768	117	68,4	746	118	28,9	57	88	2,2	12	0,5
Jičín	1343	131	865	126	64,4	427	151	31,8	51	82	3,8	0	0,0
Náchod	2043	134	1263	127	61,8	765	145	37,4	5	100	0,2	10	0,5
Rychnov nad Kněžnou	1571	118	853	122	54,3	541	126	34,4	177	87	11,3	0	0,0
Trutnov	2027	130	1184	120	58,4	825	142	40,7	15	136	0,7	3	0,2
<b>Hradec Králové</b>	<b>9567</b>	<b>125</b>	<b>5933</b>	<b>122</b>	<b>62,0</b>	<b>3304</b>	<b>135</b>	<b>34,5</b>	<b>305</b>	<b>92</b>	<b>3,2</b>	<b>25</b>	<b>0,3</b>
Chrudim	1752	118	1099	111	62,7	636	130	36,3	16	400	0,9	1	0,1
Pardubice	2124	139	1426	122	67,1	563	223	26,5	133	132	6,3	2	0,1
Svitavy	1721	101	1262	104	73,3	423	96	24,6	32	84	1,9	4	0,2
Ústí nad Orlicí	2592	122	1637	123	63,2	721	134	27,8	222	92	8,6	12	0,4
<b>Pardubice</b>	<b>8189</b>	<b>120</b>	<b>5424</b>	<b>115</b>	<b>66,2</b>	<b>2343</b>	<b>136</b>	<b>28,6</b>	<b>403</b>	<b>105</b>	<b>4,9</b>	<b>19</b>	<b>0,2</b>
Havlíčkův Brod	2267	146	1587	139	70,0	599	178	26,4	80	108	3,5	1	0,0
Jihlava	2555	125	1700	118	66,5	480	122	18,8	248	207	9,7	127	5,0
Pelhřimov	1866	120	1186	114	63,6	657	132	35,2	10	333	0,5	13	0,7
Třebíč	2233	99	1283	84	57,5	399	87	17,9	547	119	24,5	4	0,1
Žďár nad Sázavou	2660	119	1696	125	63,8	820	109	30,8	21	117	0,8	123	4,6
<b>Vysočina</b>	<b>11 581</b>	<b>120</b>	<b>7452</b>	<b>114</b>	<b>64,3</b>	<b>2955</b>	<b>121</b>	<b>25,5</b>	<b>906</b>	<b>189</b>	<b>7,8</b>	<b>268</b>	<b>2,3</b>

District (region)	Interventions total		FRS CR			Municipal VFU			Enterprises FRS			Other units	
	Number	Ind.%	Number	Ind.%	% in total	Number	Ind.%	% in total	Number	Ind.%	% in total	Number	% in total
Blansko	1669	108	1012	102	60,7	643	121	38,5	14	87	0,8	0	0,0
Brno-city	4481	110	4031	113	90,0	389	109	8,7	61	94	1,3	0	0,0
Brno-county	3488	90	2578	92	73,9	856	75	24,5	54	64	1,6	0	0,0
Břeclav	1546	74	964	80	62,4	555	68	35,9	27	129	1,7	0	0,0
Hodonín	1674	113	1026	112	61,3	632	117	37,8	16	73	0,9	0	0,0
Vyškov	1426	99	1057	102	74,1	346	92	24,3	23	110	1,6	0	0,0
Znojmo	1373	85	922	98	67,2	444	66	32,3	7	64	0,5	0	0,0
<b>South Moravian</b>	<b>15657</b>	<b>96</b>	<b>11590</b>	<b>101</b>	<b>74,0</b>	<b>3865</b>	<b>87</b>	<b>24,7</b>	<b>202</b>	<b>84</b>	<b>1,3</b>	<b>0</b>	<b>0,0</b>
Jeseník	704	72	454	95	64,5	239	50	33,9	7	70	1,0	4	0,6
Olomouc	2694	107	1909	102	70,9	700	117	26,0	81	137	3,0	4	0,1
Prostějov	1460	96	970	97	66,4	472	94	32,3	18	138	1,2	0	0,0
Přerov	1719	103	1242	104	72,3	382	98	22,2	95	108	5,5	0	0,0
Šumperk	1736	122	1028	119	59,2	670	129	38,6	38	112	2,2	0	0,0
<b>Olomouc</b>	<b>8313</b>	<b>103</b>	<b>5603</b>	<b>104</b>	<b>67,4</b>	<b>2463</b>	<b>99</b>	<b>29,6</b>	<b>239</b>	<b>117</b>	<b>2,9</b>	<b>8</b>	<b>0,1</b>
Kroměříž	1074	104	786	107	73,2	277	98	25,8	10	67	0,9	1	0,1
Uherské Hradiště	1387	99	846	109	70,0	331	86	23,9	16	64	1,1	194	14,0
Vsetín	2157	117	956	112	44,3	717	98	33,2	102	109	4,7	382	17,7
Zlín	1993	98	1396	107	70,0	513	89	25,7	69	56	3,5	15	0,8
<b>Zlín</b>	<b>6611</b>	<b>105</b>	<b>3984</b>	<b>109</b>	<b>60,2</b>	<b>1838</b>	<b>93</b>	<b>27,8</b>	<b>197</b>	<b>77</b>	<b>3,0</b>	<b>592</b>	<b>9,0</b>
Bruntál	1924	131	1121	127	58,3	776	142	40,3	25	119	1,3	2	0,1
Frydek-Místek	3417	101	1842	106	53,9	1134	93	33,2	441	91	12,9	0	0,0
Karviná	3205	111	2393	106	74,7	724	143	22,6	86	74	2,7	2	0,0
Nový Jičín	2202	91	1183	103	53,7	912	78	41,4	107	94	4,9	0	0,0
Opava	2448	115	1393	112	56,9	876	122	35,8	178	106	7,3	1	0,0
Ostrava-city	5542	106	4413	106	79,6	518	98	9,3	607	113	11,0	4	0,1
<b>Moravian-Silesian</b>	<b>18738</b>	<b>107</b>	<b>12345</b>	<b>108</b>	<b>65,9</b>	<b>4940</b>	<b>105</b>	<b>26,4</b>	<b>1444</b>	<b>106</b>	<b>7,7</b>	<b>9</b>	<b>0,0</b>

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

- FRS CR – 66.9 % of all interventions. Total of 241 fire units registered as of December 31, 2015.
- Municipal VFU – 31.6 % of all interventions. Total of 7,078 fire units registered in several categories: II - 232, III - 1,335, V - 5,511. From the total number as many as 945 (13.4 %) fire units operated in only one intervention and 3,490 (49 %) of them didn't operate at all. The main types of intervention of municipal VFU were fires, technical assistances and traffic accidents.
- Enterprises FRS – 6 % of all interventions. Total of 98 fire units, from those 17 military fire units. The main types of intervention were technological assistances, technical assistances and false alarms.
- Enterprises VFU – 0.6 % of all interventions. Total of 144 fire units. The main types of intervention were fires and false alarms.

Total number of firefighters in the Czech Republic in 2015: 10,569 professional firefighters of FRS CR, of which 6,441 are in fire units and 1,008 are civil employees of FRS CR; 2,936 are professional firefighters of enterprises FRS incl. 452 military firefighters; 70,503 are voluntary firefighters of municipal VFU and enterprises VFU.

**Number of particular activities of fire units**

Activity type	FRS CR		Municipal VFU		Enterprises FRS		Enterprises VFU	Total	
	Number	Index %	Number	Index %	Number	Index %	Number	Number	Index %
fire assistance	280	85	399	133	75	129	10	764	110
assistance with searching/destroying explosives recognition	131	107	32	123	12	120	2	177	111
fire extinguishers	97004	111	36247	126	7009	110	679	140939	115
simple extinguishing equipment	394	105	248	104	94	101	19	755	102
D stream water	2001	115	1547	140	149	94	7	3704	123
C stream water	282	131	223	151	20	111	1	526	118
B stream water	5355	123	6399	150	508	124	115	12377	135
monitors	216	96	367	171	29	207	2	614	137
high pressure water	573	152	1111	263	71	142	2	1757	207
high expansion foam	7744	117	2576	136	294	101	13	10627	120
medium expansion foam	1	x	1	x	1	50	0	3	150
low expansion foam	105	83	13	144	13	118	4	135	92
detergent	77	89	22	105	22	143	2	123	100
powder from mobile equipment	473	130	314	214	20	154	4	811	154
inert gas from mobile equipment	7	700	1	50	2	x	1	11	367
special technical equipment	18	82	3	x	3	100	0	24	96
water pumping	272	127	99	206	3	50	11	385	144
hose remote water transport	727	60	763	33	104	54	23	1617	43
shuttle remoter water transport	74	185	214	157	5	62	0	293	105
water refilling	622	200	2083	208	42	120	7	2754	204
cooking	1680	145	3924	176	174	125	14	5792	163
natural ventilation	978	122	460	125	101	115	31	1570	122
forced ventilation	3703	112	940	108	227	98	45	4915	110
insulation, separation of materials	1401	101	397	92	84	118	3	1885	100
neutralisation	60	88	6	43	10	125	6	82	88
dilution	52	102	4	133	17	142	2	75	112
agents transfer	51	85	15	68	17	68	2	85	79
spill bordering and obstructing	299	120	24	104	28	165	5	356	121
agent collection after leakage (excl. oil products)	1083	118	163	106	84	155	18	1348	118
identification of spilled agent	419	116	54	164	52	90	8	533	115
sampling	687	98	70	111	46	94	25	828	100
gas concentration measurement	242	87	8	57	3	150	41	294	96
accident site securing	2792	140	76	158	102	90	18	2988	138
removing the effect of traffic accidents	14409	113	2836	122	590	99	31	17866	114
traffic regulation on roads	11300	108	2072	122	519	92	12	13903	109
obstacles removal	8692	107	3023	119	114	101	10	11839	110
oil leakage removal - vehicles fillings	16011	114	7433	124	1079	109	45	24568	117
fire protection measures	11351	103	2054	108	424	95	22	13851	104
environmental protection	13124	114	1861	142	130	92	7	15122	117
lighting the place of action	1403	125	997	138	55	146	5	2460	131
water surface intervention	2699	106	1329	122	178	137	2	4208	111
underwater intervention	401	103	119	92	9	150	1	530	101
operation of hazardous equipment	257	117	72	69	3	300	1	333	102
temporary repair	78	159	26	130	8	160	0	112	149
constructions dismantling	1285	124	323	150	138	131	3	1749	128
utilities closing	2768	119	2169	120	134	113	12	5083	119
breaking into closed spaces	2597	109	353	93	62	97	9	3021	107
snow and ice removing	12483	105	1054	100	109	109	6	13652	104
intervention at the height using climbing equipment	67	129	37	142	16	123	2	122	145
height and depth interventions	569	115	102	119	34	142	3	708	116
Searching for persons	4335	123	837	145	84	94	10	5266	125
searching and rescue of persons from water	910	102	543	93	48	92	9	1510	98
disengagement from depths	167	107	49	117	0	0	1	217	110
disengagement from heights	156	102	27	93	4	67	1	188	99
disengagement from crashed vehicles	113	88	13	118	4	400	1	131	94
disengagement from lifts	1140	97	255	109	36	100	2	1433	99
disengagement from collapsed buildings	952	108	56	110	54	64	18	1080	105
patient transport	12	33	7	50	0	0	0	19	37
other rescue of persons	5941	113	1005	123	427	106	59	7432	114
prehospital care	1585	111	259	101	29	116	5	1878	110
cooperation on medical care	4026	117	992	125	377	155	139	5534	120
	3896	110	626	147	59	151	4	4585	114

Activity type	FRS CR		Municipal VFU		Enterprises FRS		Enterprises VFU	Total	
	Number	Index %	Number	Index %	Number	Index %	Number	Number	Index %
items disengagement	685	103	166	82	51	150	3	905	100
animal netting and search	835	110	293	122	36	171	3	1167	114
capture and destruction of vermin	4349	120	2130	191	109	89	14	6602	136
evacuation of persons from objects	367	118	131	107	115	162	1	614	122
evacuation of persons territorial	31	70	11	110	18	120	0	60	87
evacuation of property	256	87	261	88	9	129	1	527	88
evacuation of animals	607	99	152	95	7	78	2	768	98
establishing and running of evacuation centre	14	175	19	148	0	0	1	34	243
dangerous area marking	465	124	169	136	17	154	0	651	127
decontamination of persons incl. Firefighters	54	113	8	200	4	67	0	66	114
decontamination of equipment	37	103	4	133	9	90	0	50	102
transport of drinking water, food and survival supplies	54	138	44	147	5	150	2	105	146
distribution of drinking water and food	132	109	46	115	8	267	1	187	113
shelter commissioning	1	100	0	0	0	0	0	1	100
provision of technical components to IRS bodies	358	107	40	121	5	83	5	408	109
logistics	218	90	178	84	6	120	6	408	89
river and water streams monitoring	209	60	76	25	6	120	3	294	44
waiting for special services	1728	110	329	121	164	88	3	2224	109
photo and video documentation	16278	117	2005	165	1203	122	33	19519	121
thermocamera usage	3941	148	237	228	123	152	4	4305	152
back-up on incident site	2194	120	5148	123	203	125	32	7577	123
backup on home base	42	120	898	112	2	x	1	943	113
backup on other base	237	102	1044	119	4	133	0	1285	115
other	4646	98	1896	109	469	97	65	7076	101
no intervention after arrival	2803	143	1405	161	111	156	12	4331	149
<b>Total</b>	<b>293071</b>	<b>112</b>	<b>106022</b>	<b>127</b>	<b>16829</b>	<b>109</b>	<b>1732</b>	<b>417654</b>	<b>116</b>



#### Adverse conditions

Type	Number	Index %	Type	Number	Index %
<b>Late arrival of fire units</b>			<b>Fire fighting conditions</b>		
Improper function of notification centre	17	121	Lack of protective equipment	3	300
Failure of communication means	248	173	Fire equipment malfunction	65	203
Late reporting after noticing	15	107	Incorrect use of resources	5	62
Late alarm after reporting	20	222	Poor cooperation of owner/user	37	109
Late response after alarm	210	2 333	Other	11	183
Difficult access to the site	272	139	<b>Intervention impeding circumstances</b>		
Vehicle malfunction on route	14	156	Smoke or toxic substances	264	131
Requested local fire unit did not respond	57	119	Heat radiation, melting of materials	63	180
Late request of auxiliary unit	11	550	Electric current not switched off	31	119
Other	77	193	Explosion or destruction risk	79	86
<b>Fire fighting conditions</b>			Insufficient access area	31	107
Lack of resources	18	45	Insufficient operating and evacuating route	49	132
Lack of basic equipment	20	200	Temperature below -10 °C	3	25
Lack of special equipment	15	150	Other weather related conditions	650	307
Lack of water	23	192	Technological adverse conditions	9	90
Lack of other fire fighting means	1	x	Other	40	182

## Selected major incidents

### Industrial halls fire, AGBA company, Turnov

In the early hours of December 3, 2015, a fire broke out in the premises of AGBA company In Turnov



fighters. The flame was supported by a large amount of stored flammable liquids. Furthermore, it was found that the explosion injured several people, and one person was missing. Intervention was very complicated due to hidden fire spread to the roof structure of interconnected halls and a strong damage of building structures due to the influence of heat and explosions of accumulated gas. Therefore, the USAR unit was deployed from Prague to implement stabilization measures. Several days long intervention necessitated the deployment of a large number of firefighters and challenging logistics support. Total of 54 fire units werw deployed on-site, 2 people were killed and eight others wounded, including fire fighters. Direct damage was estimated at CZK 42 million and salvaged value of 50 million CZK.

- Daliměřice, Semily district. Features of the object intended for processing inflammable and hazardous substances predestined this intervention as very difficult and risky in terms of both rapid development of the fire and the presence of large quantities of flammable or explosive substances and in terms of the necessary large amount of deployed JPO, gradually has been declared a special, ie. the highest stage of alert. After the arrival of the first fire unit to the place it was found that the fire was preceded by a massive blast that badly damaged the building and there is a large number of very strong detonations. As their source were subsequently identified cartridges filled with flammable gas. Their flight of tens of meters represented a significant risk to fire



### Petrochemical technology fire, Litvínov

A blaze of technological equipment of the propylene unit with a burning gas leak from damaged pipeline, which broke out on August 13, 2015, in the morning, requested for deploying a large number of fire units in the area of petrochemical holding company Unipetrol RPA Litvinov. Due to the events had to be evacuated

ed over 3,500 people. The surrounding structure and technology were also threatened, especially container of flammable liquids (benzene), and ethylene furnace. Those had to be intensively cooled. It put high demands on the supply of extinguishing water and foamer. For that purpose, it was installed 10 monitors. Several SO-

### Incident in 3rd stage and special stage of alert

Region	Date	Description (type of event, place, action)
City of Prague	10. 1.	Administration building fire, SOFIL company, Prague - Sedlec, spreading to the entire roof, shuttle remote water transport
	14.5.	Unused hall roof fire, Prague 8, dismantling of structures, shuttle remote water transport
	14.5.	Industrial building roof fire, MASO-PROFIT company, Prague 9 - Hrdlořezy, total area of 60 x 50 m, shuttle remote water transport
	22.8.	Textile warehouse fire in a former factory hall, Prague 9 - Vysočany, area of 97 x 61 m, height 12 m, found 20 pieces of gas cylinders, high-rise equipment and helicopter deployed, assistance of structural engineer and Fire and Rescue Service chemical laboratory
	2.10.	Garages and house roof fire, Prague 14 -Kyje, affected 10 garages and three-story building, two propane cylinders evacuated, 2 pieces of high-rise equipment
	11.10.	Car workshop fire, RENOCAR company, Prague - Sedlec, shutdown of trolley line

MATI pumps were deployed. Temperature at critical locations was monitored by infrared camera technology.

The original pipeline fire was subsequently complicated by the fire spreading to the pyrolysis furnace. This required the creation of a second intervention section. Due to the imminent risk of air contamination by toxic products of combustion several chemical laboratories arrived to the spot monitoring the atmosphere. Given the risk of contamination of groundwater and surrounding watercourses were also installed amount of baffles and continuously monitored water quality. Another very negative impact on the intervention and in particular the safety of fire fighters was strong acoustic load and high temperature, as a result of burning gas and compressed air



and steam leaking from a pipe. Due to the long-term nature of the intervention it was necessary to gradually put in place a large number of equipment and a large number

of people intervening in alternation. Severity of events required a meeting of the crisis staff of Litvínov city and the crisis staff of Unipetrol company. Minister of the Environment, Operational Fire unit of General Directorate and the Deputy General Director of Fire and Rescue Service of the Czech Republic also arrived to the place. Czech police helicopter was called to conduct monitoring. The intervention was completed on August 18, 2015, at 9:40 AM. The total estimated consumption of water for fire-fighting intervention is 154,000 cubic meters. Range of events called for declaration of the highest ie. a special stage of alarm. Total damage was estimated at CZK 641 million, salvaged values 1.9 billion CZK. On the site gradually intervened 57 fire units and other components of the Integrated Rescue System. Injuries suffered a total of 32 fire fighters, mostly for minor injuries due to the high noise or the consequences of physical exhaustion.

### Hydrogen exchanger flange fire, Litvínov

On August 22, 2015, a mere four days after completion of the intervention on fire polypropylene technology, another incident took place in the premises of Unipetrol company. This time it was fire of hydrogen under pressure. Gas leaked from the flange on the

heat exchanger. Fire unit cooled the surroundings and it was decided on a controlled gas burn. Throughout the intervention gas detection and thermal monitoring have been carried. Direct damage was estimated at CZK 17 million.

Cause	Casualties		Loss million	Salvaged value		Fire units involved	Stage of alert
	Injured	Evacuated		million	million		
technical fault of electric installations			30,0	10,0	10	2	
unproven fault	1		5,0		14	3	
negligence in welding			30,0	10,0	10	2	
short circuit in welding cables			10,0	90,0	28	special	
technical fault of electric installations		30	5,0		17	3	
under investigation			10,0	30,0	13	3	

Region	Date	Description (type of event, place, action)
Central Bohemian	25.3.	Grass fire, military training area Brdy, Příbram district, difficult terrain, rapid spread, the presence of unexploded ammunition
	18.4.	Ranch farm fire, Málkov, Beroun district, high-rise equipment deployed
	3.6.	Forest fire, Venice nad Jizerou, hit tree nursery on an area of 3.7 hectares
	5.6.	Straw bales fire, Hradčany, Nymburk district, total building area of 100 x 50 m, 1,200 bales of straw, deployed heavy machinery
	22.9.	Alcohol distilling technology fire, TEREOS TTD company, Dobrovice, Mladá Boleslav district, heavy foam fire fighting
	20.12.	Old mill fire, Krnsko, Mladá Boleslav district, building 30 x 30 m, 4 floors, 2 pieces of high-rise equipment deployed, fire protection of surrounding buildings, the presence of a tank with 1,000 liters of light fuel oil, drone deployed to inspect the site
	28.12.	Garage with historical vehicles fire, Dublovice, Příbram district, burning oils
	11.8.	Illegal dump fire, Hůry, České Budějovice district, pressed waste on an area of 80 x 50 m, assistance of chemical laboratory, fire extinguished
Plzeň	6.7.	Mass hayloft and agricultural equipment fire, Strašice, Rokycany district
	4.8.	Derailment and collision of two trains, Horažďovice, Klatovy, 15 injured persons, the participation of HEMS Plzeň, transport of 50 passengers and providing psychological assistance, logistic container deployment, tank and railment set of Rail
Karlovy Vary	2.7.	Coal transport vehicle fire, SOKOLOVSKÁ UHELNÁ company, Vřesová, Sokolov district
Ústí nad Labem	25.1.	Sawmill fire SOTENA SERVICE company, Mariánské Radčice, Most district. Area of 50x12 m, shuttle remote water transport
	13.8.	Propylene unit fire with burning gas leak, Litvinov, 10 pieces of monitors used for cooling the adjacent technology, thermal protection of surrounding buildings
	22.8.	Hydrogen flange of exchanger fire, UNIPETROL company, Záluží, Most district
	28.6.	Fat sump fire, Ústí nad Labem - Střekov, spilled oil when pumping, foam fire fighting, cooling the surrounding reservoirs, fire extinguished
Liberec	26.4.	Production hall fire SILROC CZ company, Tanvald, Železný Brod district
	13.5.	Roof of the historic building fire, Česká Lípa, 3 floors, high-rise equipment deployed, fire area of 50 x 25 m, hidden fire
	17.9.	House and farm building fire, Český Dub, Liberec district, beef cattle in the affected building, high-rise equipment deployed, fire extinguished
	3.12.	Industrial building fire, AGBA company, Turnov, Semily district, approximately 600 sq. m, multiple explosions of storage cans, shut off the flow of isobutane in the building, structural damage to the administrative building, carried out monitoring of combustion products, the subsequent collapse of the roof structure, fire protection of surrounding buildings, structural fire extinguished
Hradec Králové	5.8.	Track plow fire at the railway station, Černčice, Náchod district
Pardubice	17.11.	Straw bales fire, Velké Svatoňovice, Trutnov district, hall space 40 x 15 m, about 1,000 bales, the gradual removal of material, using two pieces of wheeled loaders, protecting neighboring building with 165 bulls
	9.9.	Nitrocellulose smokeless powder warehouse fire, State Material Reserves Administration, Polička, Svitavy district
South Moravian	21.12.	Hay warehouse fire ZOS company, Jedlová, Svitavy district, shuttle remote water transport
	1.3.	Pressing technology and air conditioning fire KOVOLIT company, Modřice, Brno-country district
	24.6.	Hostel fire, Brno - Štýřice
	4.7.	Factory fire, Oslavany, Brno-country district, use of heavy foam for ventilation duct fire
Olomouc	7.8.	Tractor spare parts warehouse fire MONSTA company, Brno - Horní Heršpice, presence of photovoltaic panels as adverse
	23.1.	Pigs farm fire, EUROFARMS HOLDING company, Kojetín, Přerov district. evacuation of piglets
	1.7.	Handcar fire TSS GRADE, Střeň, Olomouc district
Zlín	4.6.	Heating plant fire ALPIQ GENERATION company, Zlín, high-rise equipment deployed
Moravian-Silesian	18.3.	Compressor engine fire, Hlučín, Opava district, hall 15 x 20 m, high-rise equipment deployed

Cause	Casualties	Injured	Evacuated	Loss million	Salvaged value million	Fire units involved	Stage of alert
unclear						18	3
improper design of grill chimney	1			10,0	7,0	16	2
negligence				0,1	1,0	16	3
unclear	3			2,0	3,0	48	3
chemical reaction and subsequent explosion when handling hazardous substances	10			20,0	30,0	13	2
under investigation	1			3,0	13,0	15	3
improper operation of the heater				10,0	4,0	11	2
unclear						13	3
unclear				20,5	3,0	7	2
	15					11	3
negligence in welding				15,0	35,0	1	1
deliberate ignition				10,0	0,1	8	2
	32	3142		641,0	1949,1	57	special
leak and ignition of hydrogen in air				17,0		1	1
ignited by surface heat of steam pipes				2,0		12	3
Technical fault of refrigerator				10,0		8	2
unclear				8,0	7,0	10	3
deliberate ignition	1			1,0		14	3
under investigation	2	8		42,0	50,0	54	special
technical failure of hydraulics				10,0	5,0	6	2
deliberate ignition				0,8	9,0	12	3
under investigation	5	2		14,3		11	2
deliberate ignition				11,4		14	2
technical failure and ignition of combustibles from spills of hot aluminum				15,0	13,0	6	1
unclear	1			15,0		10	2
Technical fault of air condition				3,5	100,0	14	3
Technical fault of fluorescent lamps				65,0	10,5	12	2
Technical fault fluorescent lamp condenser				14,0	10,0	5	1
technical failure of hydraulics				10,9	5,0	5	1
explosion of coal dust				11,0	300,0	8	2
technical fault of compressor	1			2,0	30,0	21	3

## Major exercises of the Integrated Rescue System bodies in 2015

### International tactical IRS exercise "CZERT IEC 2015" (reclassification of heavy USAR team in accordance with the INSARAG methodology)

On June 17, 2015, the Operational and Information Centre of General Directorate of Fire and Rescue Service of the Czech Republic received via the Emergency Response Coordination Centre of the European Union a request for assistance from the Kaznějovsko Republic, that was hit by a devastating earthquake. It was decided to deploy heavy USAR team, which was activated and was preparing to go to the aid of the stricken country. Reclassification Exercise of USAR team in accordance with the INSARAG methodology (International Search and Rescue Advisory Group) has started.

The intention was to declare that the Czech USAR team is organisationally, operationally, tactically, technically and professionally prepared to intervene effectively at the site of the emergency as a heavy USAR team according to INSARAG standards. It is a long process, whose preparations have already started in 2013. During these preparations numerous national and international exercises, training and professional trainings of members of the USAR team were organised. During the preparation for reclassification the team was supported by mentors - Mariusz Feltynowski and Marcin Kedra from Poland, which has provided a lot of valuable advice and recommendations to USAR team management.

CZERT (Czech Emergency Response Team) USAR activities, as well as the whole system of providing international humanitarian aid, were evaluated by eight-member team of

### IRS tactical exercise "Plane crash 2015" – Mladá Boleslav

On October 1, at the airport in Mlada Boleslav IRS tactical exercise "Plane crash 2015" was held, whose theme was the collision of two passenger aircraft with 56 people on board. The main aim of the exercise was to verify the cooperation of all involved components and especially to improve intervention with a large number of wounded. Fire units ensured the place of accident, implemented fire protection measures and classified the victims using the general screening method "START". This method can effectively categorize

### IRS tactical exercise "Ebola - transport of person suspected of highly dangerous contagion" - Turnov

On June 15, Regional Hygiene Station of Liberec Region, Health Institute in Ústí nad Labem, Fire and Rescue Service, Emergency Medical Service, Police and Municipal police participated in Turnov to IRS tactical exercise "Ebola - the transport of person suspected of highly dangerous contagion".

Story introduced participants in a situation where one of the epidemiologists returned from a mission in Sierra Leone back to the Czech Republic. After returning, he felt tired and felt pain in the muscles and also had a high temperature. With effort, on the way to hospital he stopped at the workplace of his friend where he got into contact with people who worked in the building.

First arrived rescuers from Trutnov ambulance, after finding suspected of being infected with a dangerous virus they activated other IRS components to cooperate on the incident. Incident commander staff and Biohazard team at Liberec Emergency Medical Services were activated for securing and transporting high-risk individuals. The patient was conscious and mobile, so it was possible to get the epidemiological history.

classifiers. its commander was John Cawcut from Australia, members were experts from the INSARAG Secretariat, Finland, Germany, China, Iceland, Belgium and Hungary. This group evaluated the various thematic areas (management, search and rescue, medical area, logistics) and the level of skills CZERT USAR intervene in international rescue operations. CZERT USAR had to fulfil all the tasks set out in the Checklist, which has more than 120 items.

The exercise was also attended by 10 observers from countries that either have classified USAR teams or that prepare for this difficult exam (Russia, Saudi Arabia, Slovakia, Belarus, Australia, Armenia, South Africa).

The actual exercise had several phases, the first - activation - took place in Prague and Ostrava (packaging material, preparing for the mission), Brno (meeting of the team and finishing and checking lists of materials and equipment). After the simulated flight, the team moved to Plzeň Region, where they built a base in the area Fire Station in Plasy. The actual deployment and the practical skills examination of USAR team was conducted in Kaznějov in the former factory "LACHEMA".

The exercise was completed on June 19 with ceremonial handover of the certificate of successful completion of all requirements of INSARAG methodology.

wounded according to the severity of injuries and provide first aid priority. Rescued people have been moved to designated triage spot, and after emergency health care, medical rescue services transferred them to the Regional Hospital in Mladá Boleslav. In a health facility a trauma plan has been activated and practiced. Over 130 people took part in the exercise intervening on-site, several dozen people in hospital and operational centres of participating entities, including the Air Traffic Control of the Czech Republic.

Firefighters after arrival marked the danger zone, prepared decontamination stations and together with EMS transported the affected person in isolation bag. Also performed decontamination of persons who came into contact with the man. Presence in the danger zone was allowed only in protective suit. Police closed the intervention site to prevent unauthorized access. Furthermore, they sealed all entrances to the building of the company in order to prevent a possible escape of uncooperative endangered civilians. Subsequently they provided assistance to decontaminated persons who did not carry cell phones and documents.

Police maintained records of persons and in cooperation with the health authority sought the person with whom the suspected was in touch. Also they provided escort vehicles transporting infectious material and accompanying the transport of persons suspected of highly dangerous contagion.

One person suspected of infection by a highly infectious agent was transported via ambulance in isolation bag to Bulovka Hospital. Activation of Infectious Disease Ward in Bulovka was carried out through notification to the Ministry of Health.

## IRS tactical exercise “Active shooter in elementary school” - Říčany

On October 29, a primary school U Říčanského lesa turned into a space for IRS tactical exercise. The aim was to neutralize an active shooter and evacuate several hundred people from the premises of the school building. The event lasted several hours and involved over 230 people. The task was to verify all rescue and emergency staff.

Two armed attackers got into a school and shot to pupils and teachers. A few minutes after the first shooting police, firefighters and emergency medical service arrived at the event site. Shortly after that school buildings were secured by specially trained policemen who managed to eliminate the attacker. Officers carried out the intervention without major problems, but they met with unexpected situation. Armed men were in fact two. The second offender got unnoticed to a group of evacuated pupils from the school. Then he started shooting around, hit the firefighters and ran back into the building. There he was caught by Police.

Meanwhile, firefighters brought out the wounded and medics treated them in improvised conditions. Fictional attack requested 12 dead and 22 injured. Over 230 people including dozens of figurants participated in exercise. In addition to officers from the Regional Department Praha-Country-south and local precinct Říčany attended the event police forces from Kostelec nad Černými Lesy and Úvaly. Equally they were present professional firefighters Říčany and volunteer fire brigades from the surrounding villages. The municipal police was to ensure the closure of the site, checking passing person and informed residents of neighboring houses on the situation. The wounded was taken care of by Emergency Medical Service of Central Bohemian Region

Interesting experience from an exercise got to the city management, crisis manager, head of the education department and spokesperson. During the exercise was convened emergency staff, while City hall was mainly focused on crisis communications.

## 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.

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. To receive emergency calls FRS CR operates advanced nationwide telecommunications technology, deployed in 14 regional call centres.

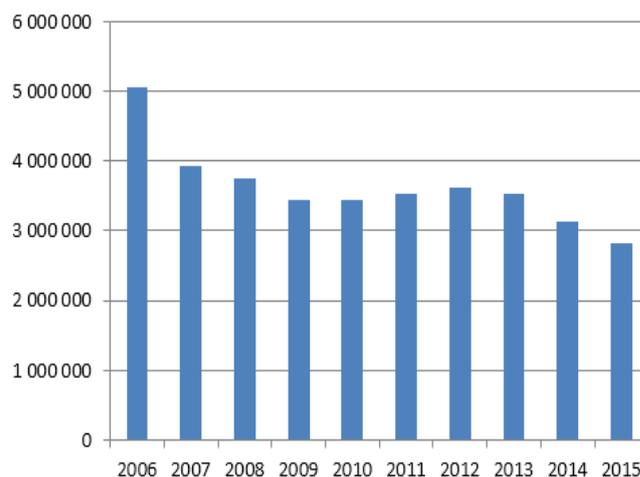
Single european emergency call number 112 can be reached free of charge with fixed and mobile devices in all EU Member States and also in several non-EU states - Montenegro, Norway, Liechtenstein, Island and Turkey. In the Czech Republic 112 is operated alongside

with national emergency call numbers.

In 2015, the PSAP technology was connected to communications infrastructure of the National Information System of Integrated Rescue System co-financed from European Union funds.

In 2015 the total number of 3,255,057 calls was received by FRS PSAPs, from which 2,821,640 calls was to single european number 112 and 433,417 calls to national number 150.

Number of emergency calls (number 112)



# Fires

## Basic indicators

In 2015, compared to 2014, number of fires increased by 16.7%, losses increased by 13.5%. Total of 376 major fires (loss over 1 mil. CZK), i.e. 1.9% of all fires, caused 71% of overall damage. Number of casualties raised by 0.9% and injuries raised by 22.9%.

Firefighters rescued 985 persons in fire operations and 9,994 persons were evacuated.

The review shows, that in 2015 average of 48 fires with and average damage of 6,000,000 CZK occurred in the Czech Republic. Early intervention has protected values for 31.6 mil CZK per day.

Indicator	Value
Number of fires	20 232
Losses (CZK)	2 495 902 900
Salvaged values (CZK)	11 093 236 000
Deaths	115
Injuries	1 449

Salvaged values were 5.2 times higher than losses.

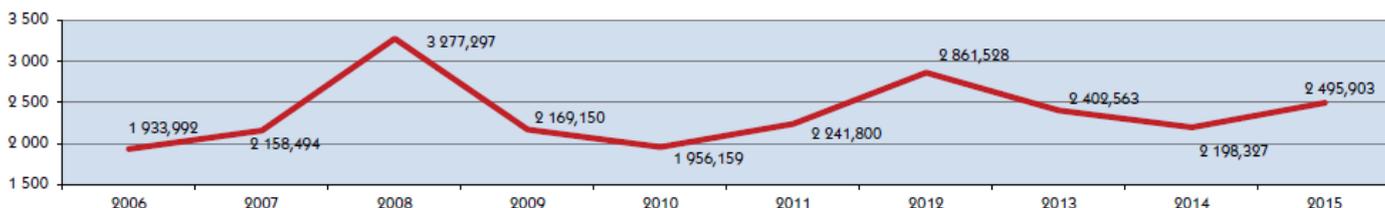
## Fires - review

Year	Number of fires	Loss in CZK	Deaths	Injuries
2001	17 285	2 054 670 000	99	881
2002	19 132	3 731 915 000	109	942
2003	28 937	1 836 614 900	141	1 112
2004	21 191	1 669 305 100	126	918
2005	20 183	1 634 371 000	139	914
<b>2001 - 2005</b>	<b>106 728</b>	<b>10 926 876 000</b>	<b>614</b>	<b>4 767</b>
2006	20 262	1 933 991 700	144	919
2007	22 394	2 158 494 200	130	1 023
2008	20 946	3 277 297 400	142	1 109
2009	20 177	2 169 150 200	117	980
2010	17 937	1 956 159 200	131	1 060
<b>2006 - 2010</b>	<b>101 716</b>	<b>11 495 092 700</b>	<b>664</b>	<b>5 091</b>
2011	21 125	2 241 800 100	129	1 152
2012	20 492	2 861 527 700	125	1 286
2013	17 105	2 402 562 900	111	1 189
2014	17 388	2 198 327 400	114	1 179
2015	20 232	2 495 902 500	115	1 449
<b>2011 - 2015</b>	<b>96 342</b>	<b>12 200 120 600</b>	<b>594</b>	<b>6 255</b>

## Salvaged values

Year	Salvaged values
2001	6 230 121 000
2002	6 251 751 000
2003	7 646 975 000
2004	6 977 363 000
2005	7 110 116 000
<b>2001 - 2005</b>	<b>34 216 326 000</b>
2006	9 182 541 000
2007	8 974 428 000
2008	14 545 693 000
2009	9 074 906 000
2010	11 515 762 000
<b>2006 - 2010</b>	<b>53 293 330 000</b>
2011	8 078 932 000
2012	10 637 936 000
2013	13 342 294 000
2014	11 533 643 000
2015	11 093 236 000
<b>2011 - 2015</b>	<b>54 686 041 000</b>

## Losses in fires



## Deaths and injuries in fires

Category	2011		2012		2013		2014		2015		Index	
	D	I	D	I	D	I	D	I	D	I	D	I
Children under 15 years	2	72	0	74	3	62	1	87	4	98	400	113
Persons 15 - 60 years	97	795	85	877	81	832	78	748	84	937	108	125
Persons over 60 years	30	105	39	103	27	127	35	141	27	172	77	122
Professional firefighters	0	127	0	148	0	124	0	123	0	153	0	124
Voluntary firefighters	0	53	1	77	0	44	0	80	0	89	0	111
<b>Total</b>	<b>129</b>	<b>1152</b>	<b>125</b>	<b>1286</b>	<b>111</b>	<b>1189</b>	<b>114</b>	<b>1179</b>	<b>115</b>	<b>1449</b>	<b>101</b>	<b>122</b>

## Number of fires and losses by place of origin

Building	Number	Index %	Loss in mil. CZK	Index %	Deaths	Injuries
Public building, buildings for transport and telecommunications	551	115	218,4	86	6	67
Apartments	1619	102	118,1	101	14	93
Houses and dwellings	1524	94	247,9	94	31	135
Buildings for production and services	373	115	189,9	25	1	x
Energetic production buildings	83	97	87,3	192	2	x
Buildings for parking	116	98	48,7	68	1	100
Buildings for storage (excl. agricultural)	56	108	91,2	102	0	0
Buildings for agricultural storage	52	158	92,8	142	0	0
Buildings for plant and animal production	31	55	24,2	43	0	0
Agricultural buildings	19	79	4,1	44	0	0
Objects apart of buildings (excl. agricultural)	175	117	693,7	2867	0	0
Objects under construction / reconstruction	40	121	7,7	46	0	0
Provisional and special objects at buildings	563	106	51,3	123	3	100
Transport means and working machinery	2181	111	431,7	134	40	121
Agricultural areas and environment	1092	188	43,0	150	0	0
Forests	1711	198	18,7	312	1	50
Open air storage areas	3409	113	9,2	131	0	0
Demolition and dumps	5266	100	34,4	55	4	100
Other	1371	143	83,6	292	12	63

## Fires by branches

Economy branch	Number of fires	Part in %	Index %	Loss in thousands CZK	Part in %	Index %	Deaths	Injuries
agriculture	3424	16,92	576	274 893,10	11,01	156	1	64
forestry*	1901	9,40	717	33 857,70	1,36	235	1	33
mineral mining	50	0,25	357	22 849,00	0,92	43	1	2
processing industry	861	4,26	147	964 027,00	38,62	116	4	110
electricity, gas, water production/distribution	221	1,09	141	50 626,30	2,03	134	0	7
construction	116	0,57	190	20 794,30	0,83	101	0	7
trade, goods repair	196	0,97	137	146 731,50	5,88	212	0	28
lodging, accommodation	444	2,19	118	79 425,10	3,18	55	7	83
transport	2048	10,12	115	240 080,90	9,62	90	32	209
post and telecommunication	40	0,20	500	2 541,60	0,10	2718	0	0
banking and insurance	7	0,03	70	1 127,00	0,05	34	0	0
research, company services, real estates	326	1,61	139	62 077,90	2,49	76	0	59
public administration, security	127	0,63	343	3 271,20	0,13	41	1	14
education	52	0,26	118	3 697,50	0,15	168	0	1
health and social activity	60	0,30	125	5 353,60	0,21	16	1	12
other public and personal services	5043	24,93	240	127 236,80	5,10	125	6	80
households	5279	26,09	199	451 236,90	18,08	130	61	737
unclassified and other	37	0,18	1	6 075,50	0,24	177	0	3
<b>Total</b>	<b>20232</b>	<b>100,00</b>	<b>116</b>	<b>2 495 902,90</b>	<b>100,00</b>	<b>114</b>	<b>115</b>	<b>1 449</b>

\* - Since 2010 only investigated fires (this does not include grass fires, fires of leaf and needles litter or peat fires without loss, spread, death or injury)



## Fires by cause and activities igniting fire

Cause	Number of fires	Part in %	Index %	Direct loss in thousands CZK	Part in %	Deaths	Injuries
<b>deliberate ignition</b>	<b>1738</b>	<b>8,59</b>	<b>119</b>	<b>200458,60</b>	<b>8,04</b>	<b>5</b>	<b>67</b>
<b>suicidal intention</b>	<b>19</b>	<b>0,09</b>	<b>83</b>	<b>6179,50</b>	<b>0,25</b>	<b>8</b>	<b>9</b>
<b>children up to 15 years</b>	<b>218</b>	<b>1,08</b>	<b>147</b>	<b>12618,20</b>	<b>0,51</b>	<b>0</b>	<b>46</b>
<b>unproven fault</b>	<b>4578</b>	<b>22,63</b>	<b>x</b>	<b>48679,40</b>	<b>1,95</b>	<b>5</b>	<b>61</b>
smoking	1728	8,54	320	47890,4	1,92	15	103
setting fires, grass burning	1390	6,87	764	7408,1	0,30	1	21
incorrect operation of the heater	135	0,67	153	22396,5	0,90	4	31
combustibles near to heater	62	0,31	151	5908,2	0,24	1	14
use of flammable liquids or gases	31	0,15	74	9821,0	0,39	0	24
use of open fire	283	1,40	127	29882,5	1,20	8	83
handling of hot ashes	315	1,56	197	16444,5	0,66	0	12
welding, cutting, thawing	151	0,75	144	76819,4	3,08	0	24
food ignition during cooking	612	3,02	x	14744,0	0,59	2	98
neglect of safety regulations	439	2,17	85	51652,2	2,07	3	97
negligence, error, incorrect operation	518	2,56	101	15581,9	0,62	0	27
<b>negligence - total</b>	<b>5664</b>	<b>28,00</b>	<b>x</b>	<b>298548,7</b>	<b>11,97</b>	<b>34</b>	<b>534</b>
inappropriate design of the chimney	74	0,37	123	28963,5	1,16	0	11
walled beam in the chimney	23	0,11	70	10016,0	0,40	0	1
joints in the chimney	26	0,13	173	4860,0	0,19	0	6
sparks from the chimney, soot ignition	758	3,75	x	10622,0	0,43	0	9
<b>chimneys - total</b>	<b>881</b>	<b>4,36</b>	<b>x</b>	<b>54461,5</b>	<b>2,18</b>	<b>0</b>	<b>27</b>
technical failure of the heater	35	0,17	152	3867,3	0,15	0	1
poor condition of the heater or flue	16	0,08	70	1056,0	0,04	0	1
improper placement or instalation of heaters	56	0,28	114	11400,0	0,46	0	3
other heater failure	13	0,06	144	812,0	0,03	0	1
<b>heaters - total</b>	<b>120</b>	<b>0,29</b>	<b>115</b>	<b>17135,3</b>	<b>0,68</b>	<b>0</b>	<b>6</b>
technical failure	2549	12,60	119	645569,2	25,87	6	229
incorrect installation	13	0,06	72	2563,0	0,10	0	0
improper maintenace	9	0,04	100	880,0	0,04	0	1
hot materials, products	54	0,27	142	15586,0	0,62	0	5
foreign object in the machine	295	1,46	670	41735,4	1,67	0	20
discharge static electricity	11	0,05	275	879,8	0,04	0	0
sparks form the exhaust, brakes	140	0,69	700	6143,7	0,25	0	1
friction, overheating	150	0,74	231	23366,2	0,94	0	7
other changes of operating parameters	681	3,37	167	104383,8	4,18	0	42
<b>technical failures - total</b>	<b>3902</b>	<b>19,28</b>	<b>142</b>	<b>841107,1</b>	<b>33,71</b>	<b>6</b>	<b>305</b>
spontaneous combustion of agricultural products	139	0,69	515	12729,8	0,51	0	0
spontaneous combustion of coal	20	0,10	286	60,0	0,00	0	0
spontaneous combustion of oils and fats	11	0,05	110	345,0	0,01	0	4
spontaneous combustion of chemicals	16	0,08	320	6303,0	0,25	0	2
spontaneous combustion of chemical products	15	0,07	150	1552,0	0,06	0	5
other self-ignition (e.g. waste)	85	0,42	315	6746,5	0,27	0	4
<b>self-ignitions - total</b>	<b>286</b>	<b>1,41</b>	<b>333</b>	<b>27736,3</b>	<b>1,10</b>	<b>0</b>	<b>15</b>
gas explosion	8	0,04	89	643260,0	25,77	1	36
explosion of flammable liquids	3	0,01	150	2420,0	0,10	0	4
dust explosion	4	0,02	x	13051,0	0,52	0	0
explosive detonation	1	0,00	x	0,0	0,00	0	0
explosion of pressure vessels, boilers	1	0,00	100	1,0	0,00	0	0
<b>explosions- total</b>	<b>17</b>	<b>0,07</b>	<b>142</b>	<b>658732,0</b>	<b>26,39</b>	<b>1</b>	<b>40</b>
<b>handling of flammable substances</b>	<b>16</b>	<b>0,07</b>	<b>286</b>	<b>23524,0</b>	<b>0,94</b>	<b>0</b>	<b>16</b>
lightning - objects with conductor	4	0,02	44	3743,0	0,15	0	0
lightning - objects without conductor	14	0,07	67	6606,0	0,26	0	7
lightning - other	101	0,50	348	1217,9	0,05	0	2
natural disaster	12	0,06	1300	14,0	0,00	0	0
traffic accident	160	0,79	122	21204,0	0,85	36	160
military exercises, fireworks	45	0,22	450	653,0	0,03	0	4
<b>special causes - total</b>	<b>336</b>	<b>1,66</b>	<b>167</b>	<b>33437,9</b>	<b>1,34</b>	<b>36</b>	<b>173</b>
unclear	2218	10,96	x	105091,7	4,21	8	47
<b>under investigation</b>	<b>239</b>	<b>1,18</b>	<b>x</b>	<b>168192,7</b>	<b>6,74</b>	<b>12</b>	<b>103</b>
<b>causes - total</b>	<b>20232</b>	<b>100,00</b>	<b>116</b>	<b>2495902,9</b>	<b>100,00</b>	<b>115</b>	<b>1 446</b>

Fires without losses, fatalities or injuries (mainly fires in nature or waste fires) are in category "no further investigation"

## Share of fires with loss CZK 1 million and higher

Year	Number			Loss in thousands CZK		
	Total CR	Big fires	Part in %	Total CR	Big fires	Part in %
2011	21 125	358	1,7	2 241 800,10	1 596 073,1	71,2
2012	20 492	399	1,9	2 861 527,70	2 217 238,9	77,5
2013	17 105	338	2,0	2 402 562,90	1 849 974,0	77,0
2014	17 388	285	1,6	2 198 327,40	1 590 068,0	72,3
2015	20 232	376	1,9	2 495 902,90	1 840 333,0	73,7

# Prevention

## Survey of fire prevention of FRS CR

			2011	2012	2013	2014	2015
Fire risk evaluation		Submitted	74	102	87	61	121
		Approved	51	56	58	45	78
		All approved	586	605	644	643	689
Inspections	Companies and entrepreneurs	Complex inspection	1 084	1 170	1 172	1 113	885
		Thematic inspection	7 321	8 182	8 117	8 248	9 688
		Checking supervision	2 971	3 415	3 520	2 202	147
	Persons	Complex inspection	0	0	0	1	0
		Thematic inspection	14	4	10	10	10
		Checking supervision	4	0	1	0	1
	Municipalities	Inspections	465	405	385	439	371
Inspection driven by other authority	Inspections	71	757	83	45	24	
Administrative decisions	on exclusion from the use	Number	16	12	17	17	18
	on disqualification	Number	55	91	89	49	24
	on suspension	Number	0	0	1	0	0
	on proper categorization	Number	1	0	1	0	0
	on extent of documentation	Number	0	0	1	0	0
	on fire risk evaluation	Number	64	91	80	62	75
	on fine to companies and entrepreneurs	Number	362	531	633	604	789
		CZK	4 441 500	7 503 500	7 984 000	8 223 000	12 877 000
	on offences (incl. ordering proceedings)	Number	76	90	58	65	154
		CZK	259 700	239 900	174 500	124 500	209 500
	autoremedy decision	Number	1 304	1 376	1 043	1 102	1 230
other decision	Number	658 900	665 800	522 320	594 000	585 860	
Coupon fines	Fines imposed	Number	45	50	20	27	7
		CZK	78 946	80 140	78 280	79 167	78 449
Building prevention	Issued opinions	Number	27 448	26 766	23 189	21 321	19 964
	Territorial and construction proceedings	Invitations	3 285	2 234	2 791	1 670	1 653
		Attended	32 764	34 338	33 189	35 183	36 200
	Final approval	Invitations	27 555	30 062	28 527	31 024	31 844
		Attended	731	801	649	669	804
	Other cooperation	Number	6 667	7 636	8 618	9 203	11 299
Other activity	Requests participated	Number	9 510	8 861	8 517	8 330	9 499
Cause investigation	Fire reports	Number	592	507	475	457	521
	Technical expert opinions	Number	463	452	592	507	475

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

## Fires - types of conclusion

Type of conclusion	Number of fires	Part in %	Index %	
unclassified, non-monitored	10 057	49,71	108	
Regional FRS concluded as:	offence in regular proceedings	54	0,27	70
	offence in coupon proceedings	1 053	5,20	141
	offence in ordering proceedings	82	0,41	95
	other administrative offence	4	0,02	100
disused on fire site	1 374	6,79	175	
suspended, stopped, other procedures of FRS	5 370	26,54	184	
suspended, stopped by Police	628	3,10	102	
concluded by court	16	0,08	67	
announced to other administrative authorities	20	0,10	222	
equipment excluded from use, banned, stopped traffic	9	0,04	113	
pending under Police investigation	1 565	7,74	120	
<b>Total</b>	<b>20 232</b>	<b>100,00</b>	<b>116</b>	

# Humanitarian assistance

**Humanitarian assistance is governed by Act No. 151/2010 Coll. on international development cooperation and humanitarian assistance abroad. Humanitarian assistance abroad is a summary of activities financed from the state budget, aiming to prevent loss of life and injury, alleviate suffering, restore basic living conditions after the occurrence of incidents, mitigate long lasting consequences of emergencies, and prevent their occurrence and negative effects.**

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

## International rescue operations and providing material humanitarian assistance abroad

### ◆ Nepal

#### Rescue assistance

On April 25, 2015 a devastating earthquake measuring 7.8 on the Richter scale struck in Nepal. Affected area was 32 out of 75 districts in central and eastern parts of Nepal. The devastating earthquake struck approximately 4.2 million people, injured more than 21,000 people and the death toll reached more than 9,000.

The government decided on April 27, 2015 on the deployment of Trauma Team Czech Republic on a humanitarian mission to Nepal. Trauma Team Czech Republic is mobile specialized surgical unit, which is designed for de-

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 assistance to EU member states and other states of the European Economic Area and decides on its scope and form.

In 2015, the sum of 73 million CZK was allocated for humanitarian assistance to foreign countries, but the total amount of humanitarian assistance reached 89.88 million CZK in the end. The planned amount was increased by CZK 7.3 million for further assistance to Ukraine and 10 million CZK were released to further help countries affected by Ebola virus. Additional funding amounting to almost CZK 20 million were released from government funding to provide rescue aid to Nepal - Trauma Team Czech Republic.

During 2014, 43 humanitarian projects in 26 countries were supported. The largest share of the budget for humanitarian aid was allocated to help in connection with conflicts and displacement in Syria and Iraq, including their regional impact.

The financial humanitarian assistance was provided to following countries: Syria, Iraq, Ukraine, Lebanon, South Sudan, Central African Republic, Yemen, Niger, Palestine, Croatia, Hungary, Macedonia, Slovenia and Serbia.

ployment in international humanitarian missions at the scene of incident or in its immediate vicinity. It was created in cooperation with the Ministry of Health, Ministry of Interior-General Directorate of Fire and Rescue Service of the Czech Republic and the University Hospital Brno.

Despite the departure complications caused by congestion at the receiving airport in Kathmandu, team eventually flew on April 29, 2015 at 01.00 AM. Trauma Team CR activities began on May 2, 2015 at 15.00. The unit was deployed close to a local medical facility in Melamchi city, which was crowded with patients, and they worked two doctors and fifteen health workers. Unit operation was accompanied by a number of aftershocks, and on May 12, 2015 another





er powerful earthquake hit the area of Trauma Team Czech Republic deployment, causing approximately another 200 dead and 1,500 wounded. At the request of the Government of Nepal was activity Trauma Team Czech Republic after this major earthquake extended until the end of May. Important work of Trauma Team Czech Republic was also outside the mobile unit in the Melamchi. Based on information on the anticipated number of disabled and injured people trapped in mountainous terrain Trauma Team Czech Republic created a mobile team, which drove each day to the field - its work was highly effective. The entire unit has worked on site of deployment in Melamchi until May 25, 2015 and ended its activities in the evening. Trauma team Czech Republic arrived in Prague on May 29, 2015.

Over the activity in Nepal a total of 1,416 patients has been examined. Trauma Team Czech Republic worked under difficult climatic conditions, high temperatures, stuffy, humid and dusty conditions. Working in these conditions accounted for the entire team excessive physical stress. All members of the unit demonstrated great physical and mental resilience and flexibility in carrying out tasks humanitarian mission. Humanitarian mission of Trauma Team Czech Republic met expectations, the team did a perfect job and was the perfect representative of the Czech Republic.

#### Advisory assistance

In addition to Trauma Team Czech Republic also Czech expert on dealing with large scale emergencies was sent to Nepal. Col. Ing. Miroslav Lukeš of FRS Karlovy Vary region, was nominated and subsequently accepted by the European Commission in the coordination and evaluation team. Col. Lukeš underwent special training organized by the European Commission and has participated in similar missions in the Philippines (Typhoon Haiyan) and Nigeria (flood prevention).

The main task of the team of experts was to obtain detailed information about the situation in the country, a survey of the affected areas, communication with local authorities, ministries and government about the needs of the country.

Furthermore, income support and distribution of humanitarian aid sent by the EU Member States (Mechanism), to support European teams operating in the country and support the activities of representation (EU Delegation) - Assessment of static structures of EU diplomatic corps, evacuation of EU citizens by aircrafts delivering humanitarian assistance or rescue teams.

Team activities were carried out in cooperation with local governments and "authorities" of the United Nations (UNDAC, UN OCHA, the UN agencies etc.)

- ◆ Material humanitarian assistance related to migration crisis

In 2015, the material assistance was given to countries affected by a large influx of refugees, that requested assistance through the EU Emergency Response Coordination Centre or EU Embassy in the affected country.

- ◆ Hungary

Twice in the 2015 the material humanitarian assistance was provided to Hungary. At the turn of June and July, Hungary was provided with tents to accommodate the refugees. In October, these tents were retrofitted with heating.

- ◆ Slovenia, Croatia

In October, a request for help with the refugee crisis was sent by Slovenia and Croatia. At the end of October a convoys carrying tents and accessories were deployed to Slovenia and Croatia.

- ◆ Macedonia

Macedonia was provided twice with material humanitarian assistance. In October, Macedonia were provided with tents and accessories and in November a convoy of Fire and Rescue Service with additional material for the accommodation of refugees from the warehouses of the Administration of State Material Reserves was dispatched.

Detailed information about humanitarian assistance not only in the year 2015 can be found on [www.usar.cz](http://www.usar.cz).

For 2016 the allocated budget for humanitarian assistance to foreign countries is 73 million CZK.

Year	2011	2012	2013	2014	2015
Number of cases	18	33	27	35	43
Number of countries	21	21	30	26	26
Sum in millions of CZK	73,0	73,0	73,0	83,5	89,9

## Economic indicators

• Fire and Rescue Service of the Czech Republic performs tasks in the scope and under conditions of Act on Fire and Rescue Service of the Czech Republic, Fire Protection Act, Act on Integrated Rescue System and Act on Crisis Management. Through 241 stations FRS CR also fulfils duties of fire units 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, fire units type II and fire units type III, and losses and salvaged values in fires presented table below.

• Compared with other countries in the CR losses are among the lowest in relation to GDP. To this effect attributes the fact that in more than 60% cases the dislocation of closest units is less than 5 km from the accident.

• Salvaged values during interventions 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

		2011	2012	2013	2014	2015
GDP in current prices <sup>2)</sup>	bil. CZK	4 022,4	4 047,7	4 086,3	4 262,2	4 445,5
Actual expenditure of FRS CR <sup>1)</sup>	bil. CZK	7,195	6,851	7,860	7,648	8,049
Subsides from state budget on FU II and FU III	bil. CZK	0,060	0,054	0,346	0,080	0,061
Expenditures on FRS, FU II and FU III compared to GDP	%	0,18	0,17	0,19	0,18	0,18
Losses in fires	bil. CZK	2,242	2,862	2,402	2,198	2,496
Losses compared to GDP	%	0,06	0,07	0,06	0,05	0,06
Salvaged values	bil. CZK	8,079	10,638	13,343	11,534	11,093
Salvaged values compared to GDP	%	0,20	0,26	0,33	0,27	0,26

<sup>1)</sup> actual expenditure includes all budgetary sources and extra-budgetary sources

<sup>2)</sup> GDP for 2015 is assessed from data of the Czech Statistical Office

# Types of incidents with fire units' interventions

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

**Traffic accident** – intervention in collision of transport means, which requires emergency rescue work or disposal of traffic accidents. If other activities dominate in intervention, e.g. leakage of hazardous substances into the environment, that intervention is classified according to the prevailing character. The intervention of the accident resulting in fire is considered as a fire. As traffic accident is considered also intervention where fire units brought vehicles back from off-road (towing wrecks, vehicle stoned off road, etc.) and removing only minor traffic accidents (road cleaning or removal of leakage - vehicles operational fillings, etc.).

**HazMat leakage** – intervention in emergencies associated with undesirable leakage of hazardous chemicals, 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 on prevention of serious accidents.

(Note: Hazardous substance – see Act No. 356/2003 Coll., on chemical substances, as amended)

**Leakage of oil products** – intervention in emergencies associated with leakage of oil products only (gasoline, diesel or oil). Releases of these substances from operating motor vehicles due to traffic accidents are classified as “traffic accident”.

**Technical accident** – intervention to eliminate hazards or hazardous conditions or large-scale significant effects on the health of persons, animals or property (other than natural disaster), such as building collapse.

**Technical assistance** – intervention to eliminate hazards or hazardous conditions among small-scale technological assistance and traffic accident, for example:

- rescuing people 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
- rescuing people and animals,
- pumping, water closing and water supply,
- assistance in explosives finding
- provisional or other repairs,
- extrication of objects, persons (including work on water)
- measurements 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 or physician, monitoring water streams, road accessibility control (except natural disasters) etc. and other on-demand services (both directly and indirectly provided assistance).

**Radiation incident** – intervention in incidents related to the improper release of radioactive substances or ionizing radiation (for definition see Article 2 of Act No. 18/1997 Coll. and Article 5 of Decree No. 318/2002 Coll.).

**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.

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**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 relief work.





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