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

Statistical Yearbook 2008
Czech Republic

Fire Protection
Integrated Rescue System
Fire & Rescue Service of the Czech Republic

Prague 2009

Content

Notes:

Dash (-)	means that the event didn't occur or wasn't monitored	D	died
		I	injured
Dagger (x)	means that the entry is not possible from logical causes	FRS CR	Fire & Rescue Service of the Czech Republic
		VFU	voluntary fire units (municipal or company)
Index %	2008 data compared with 2007 data (unless specified otherwise)	IRS	Integrated Rescue System

The data in tables and diagrams are valid for 2008 if not mentioned differently.

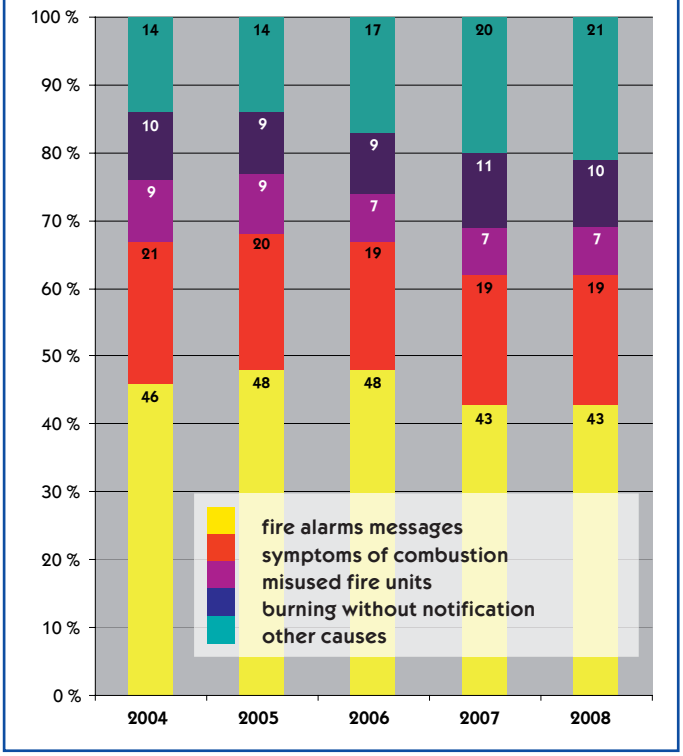
Fire units' activities

Number of particular types of incidents with fire units' interventions

Incident type	Number of incidents					Index %
	2004	2005	2006	2007	2008	
Fire	20,550	19,484	19,665	21,835	20,406	**93**
Traffic accidents	21,188	20,681	18,976	21,270	20,063	**94**
Natural disasters	1,605	2,729	5,414	10,044	5,599	**56**
Leakage of HazMat in total	5,550	5,630	5,809	6,377	6,242	**98**
part of oil products	4,572	4,616	4,644	5,235	5,218	**100**
Technical accidents in total	46,814	40,413	49,785	48,010	42,104	**88**
from these technical accidents	26	37	844	29	10	**34**
technical assistance	40,858	34,799	45,657	44,765	38,916	**87**
technological assistance	1,459	1,150	957	1,042	770	**74**
other assistance	4,474	4,427	2,327	2,174	2,408	**111**
Radiation incidents	3	2	4	0	0	**0**
Other emergencies	100	48	735	166	17	**10**
False alarms	7,626	7,846	8,409	8,148	8,194	**101**
Total	**103,436**	**96,833**	**108,797**	**115,850**	**102,625**	**89**

In 2008, compared to 2007, total number of accidents intervened by fire units dropped by 11 %. The decrease is visible in all type of incidents with the exception of **other technical assistance** (directly or indirectly provided assistance on request of other services), and **false alarms**, where a mild increase was recorded. Oil products leakages stayed on the same level.

Reasons of false alarms



In 2008 fire units directly rescued 8,807 persons in operations, and other 25,977 persons evacuated.

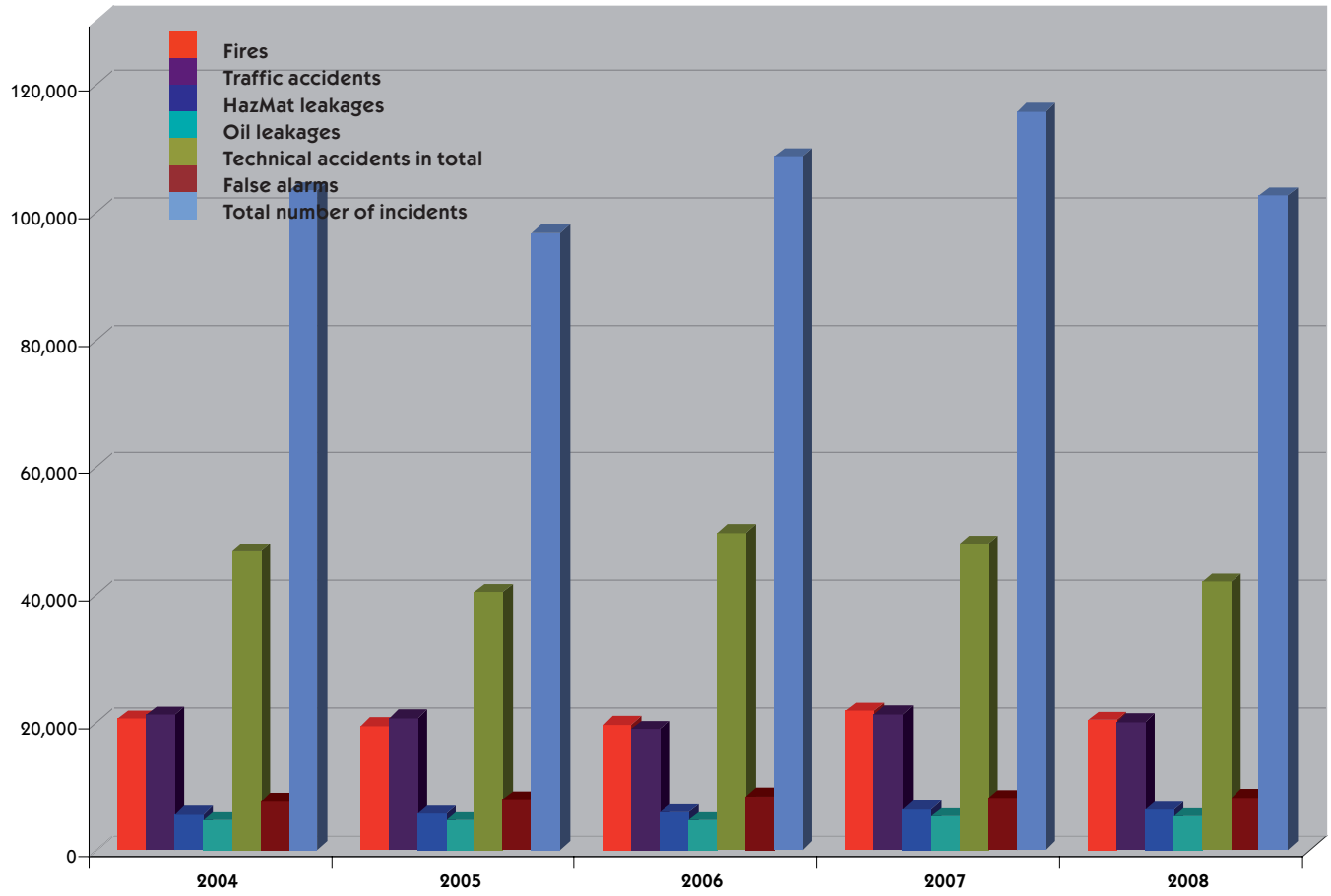
Number of firefighters died and injured during interventions

Category	2004		2005		2006		2007		2008		Index %	
	D	I	D	I	D	I	D	I	D	I	D	I
Professional	0	244	2	189	0	273	1	328	0	276	**0**	**84**
Voluntary	0	80	1	82	1	121	0	135	1	130	**x**	**95**
Total	**0**	**324**	**3**	**271**	**1**	**394**	**1**	**463**	**1**	**406**	**100**	**88**

One firefighter died during intervention:

July, 12th • the member of the Benešov nad Černou VFU, South Bohemian Region.

Incidents



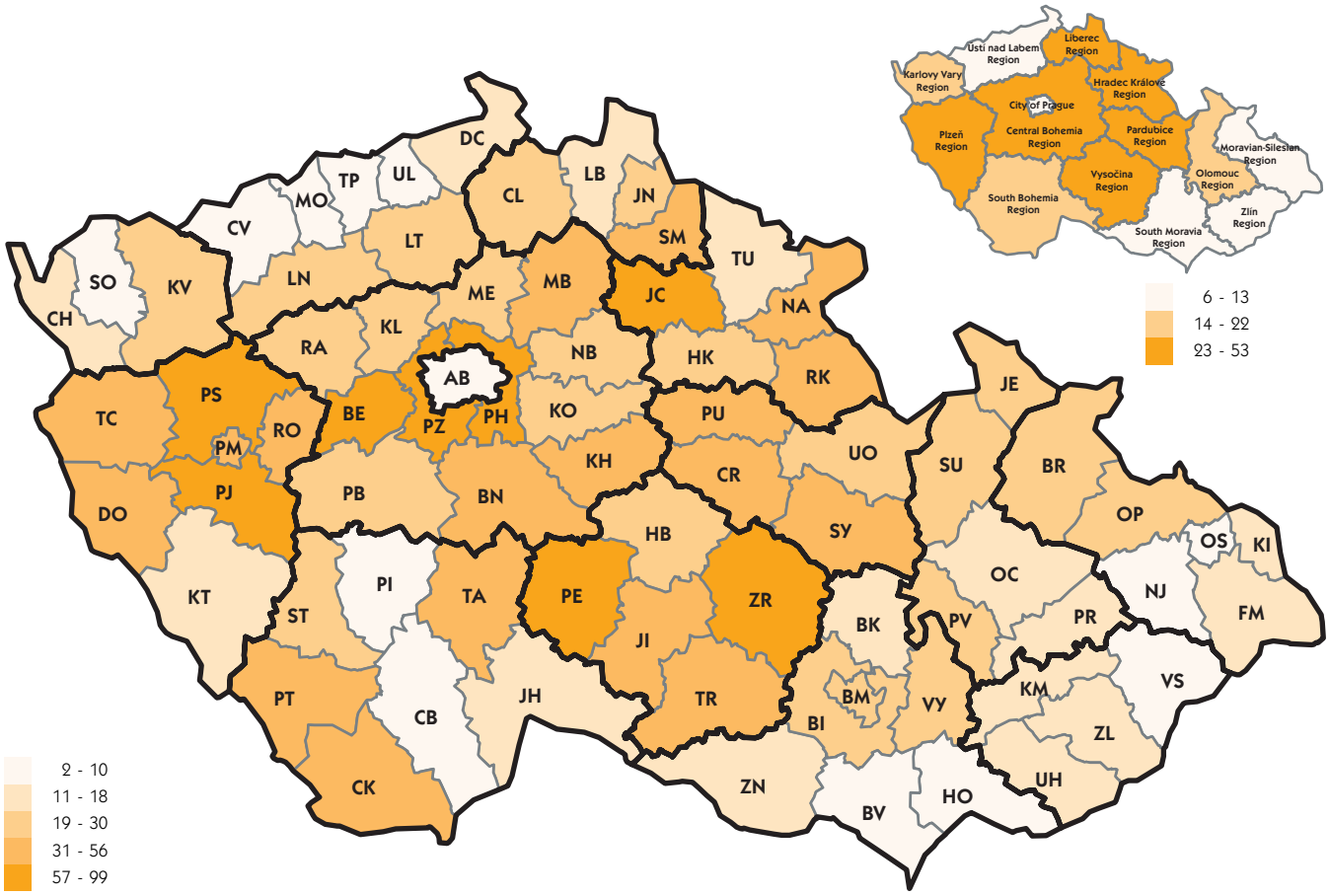
Number of interventions (multiple intervention inclusive) in particular types of incidents by type of fire units

Incident type	FRS CR interventions			Municipal VFU interventions		
	2007	2008	Index %	2007	2008	Index %
Fire	21,432	20,910	98	13,113	13,609	104
Traffic accidents	20,882	20,426	98	2,541	3,054	120
Natural disasters	6,538	2,932	45	7,039	3,737	53
Leakage of HazMat in total	5,534	5,612	101	847	896	106
part of oil products	4,471	4,600	103	725	749	103
Technical accidents in total	35,905	32,928	92	10,201	9,663	95
from these technical accidents	25	7	28	7	3	43
technical assistance	33,865	30,772	91	9,639	9,108	95
technological assistance	463	432	93	408	304	75
other assistance	1,552	1,717	111	147	248	169
Radiation incidents	0	0	0	0	0	0
Other emergencies	209	20	10	19	2	11
False alarms	4,853	5,426	112	1,006	1,546	154
Total	**95,353**	**88,254**	**93**	**34,766**	**32,507**	**94**

Basic information on fire units

Basic information	Fires					
	2004	2005	2006	2007	2008	Index %
Number of interventions	31,736	30,290	30,678	36,151	35,910	99
from these in other regions	156	163	28	48	17	35
Number of incidents with multiple interventions	x	x	x	x	x	x
Total number of multiple interventions	x	x	x	x	x	x
Number of incidents in 3rd stage and in special stage of alert	8	1	7	15	17	113
Number of intervening firefighters	171,780	167,641	168,519	200,427	201,184	100
Average number of firefighters per one intervention	5.41	5.53	5.49	5.54	5.60	101
Average distance to incident in kilometres	7.04	6.91	7.17	8.89	7.32	82
Average intervention time in minutes	87	119	165	133	230	173
Number of incidents with the use of protective equipment	5,006	5,085	3,945	3,991	3,960	99
Number of incidents with fire protective clothing	206	107	194	27	16	59
with chemical clothing	8	8	2	2	0	0
with air-type breathing apparatus	4,066	4,467	4,403	4,537	4,692	103
with oxygen-type breathing apparatus	77	77	30	13	10	77

People rescued from traffic accidents in 1999 – 2008 (number of people rescued by fire units per 10,000 inhabitants)



Company FRS interventions			Company VFU interventions			Other units interventions			Interventions in total		
2007	2008	Index %	2007	2008	Index %	2007	2008	Index %	2007	2008	Index %
1,493	1,293	87	80	74	92	33	24	73	36,151	35,910	99
846	927	110	8	11	138	1	4	167	24,278	24,422	101
410	247	60	24	8	33	9	4	44	14,020	6,928	49
588	550	94	67	43	64	3	5	133	7,039	7,106	101
417	409	98	22	8	36	0	3	x	5,635	5,769	102
3,276	3,041	93	236	211	89	11	10	91	49,629	45,869	92
2	1	50	1	1	100	0	0	0	35	12	34
2,559	2,313	90	133	171	129	11	9	82	46,207	42,373	92
340	201	59	11	21	191	0	1	x	1,222	959	79
375	542	145	91	18	20	0	0	0	2,165	2,525	117
0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	1	0	0	0	0	0	236	22	9
2,743	2,937	107	386	342	89	0	0	0	8,988	10,251	114
9,363	**9,011**	**96**	**802**	**689**	**86**	**57**	**45**	**79**	**140,341**	**130,508**	**93**

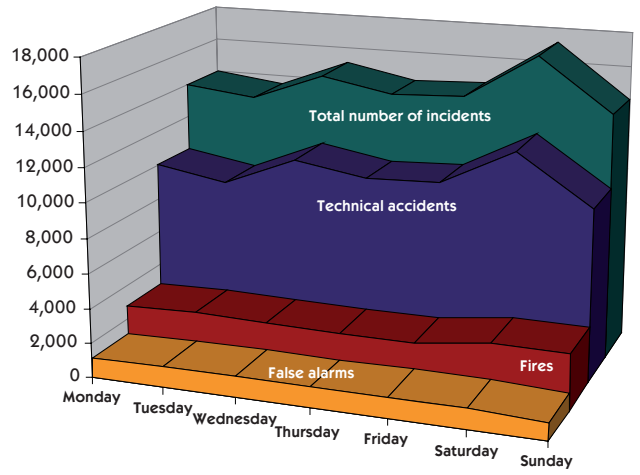
Technical interventions						False alarms					
2004	2005	2006	2007	2008	Index %	2004	2005	2006	2007	2008	Index %
81,338	76,550	89,739	95,202	83,258	87	8,937	9,341	9,326	8,988	10,251	114
413	347	67	81	77	95	9	6	18	13	6	46
30	134	221	356	315	88	58	59	35	33	26	79
231	1,539	1,031	2,025	2,011	99	593	634	314	256	226	88
5	0	8	3	1	33	1	0	0	0	0	0
308,604	304,734	360,109	383,395	357,456	93	38,677	40,984	42,221	41,585	49,886	120
3.80	4.03	4.06	4.11	4.29	106	4.64	4.71	4.68	4.76	4.86	105
7.05	6.00	7.02	6.99	6.92	99	4.60	4.36	4.23	4.66	4.72	101
62	115	101	72	73	101	15	15	15	16	15	94
6,552	5,633	3,274	3,151	2,497	79	511	524	303	289	233	81
488	293	721	55	9	16	32	21	34	2	1	50
168	153	914	608	302	50	0	4	4	2	0	0
602	497	646	460	435	95	134	143	210	170	107	63
19	20	11	13	4	31	0	0	0	0	0	0

Incidents with intervention of military fire units

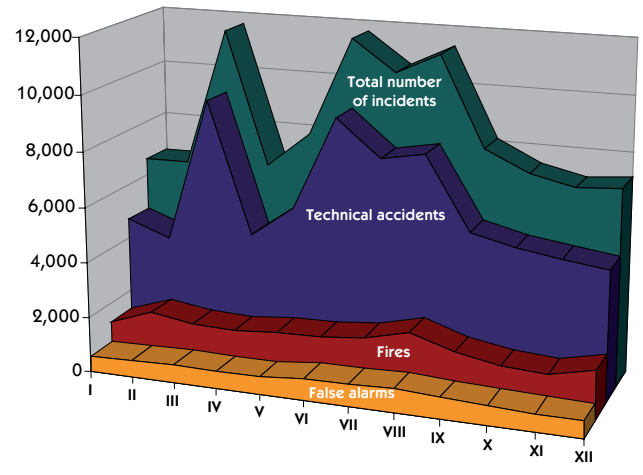
	2004	2005	2006	2007	2008	Index %
Fires under MoD department	185	177	189	262	155	**59**
Total damage (in thous. CZK)	2,110.2	1,437.7	1,927.2	2,991.9	3,566.9	**119**
Salvaged values (in thous. CZK)	57,256.7	149,438.9	58,300.0	69,211.7	62,128.0	**90**
Fires outside MoD department	36	26	32	27	8	**27**
Technical interventions under MoD	1,217	1,381	1,744	1,661	1,649	**99**
Technical interventions outside MoD	40	284	117	35	7	**20**

Based on the Fire Law No. 133/1985 Coll, in later versions, fire supervision in premises under responsibility of the Ministry of Defence is provided by fire protection bodies of the MoD, according to Article 85a. Military fire units operate as fire units according to Article 65a of the Fire Law. Within the Czech Army there is total of 479 firefighters in 22 fire stations. Military Fire Supervision practise fire supervision of military objects, premises, in military bases and in companies established by MoD, according to Article 31 of the Fire Law.

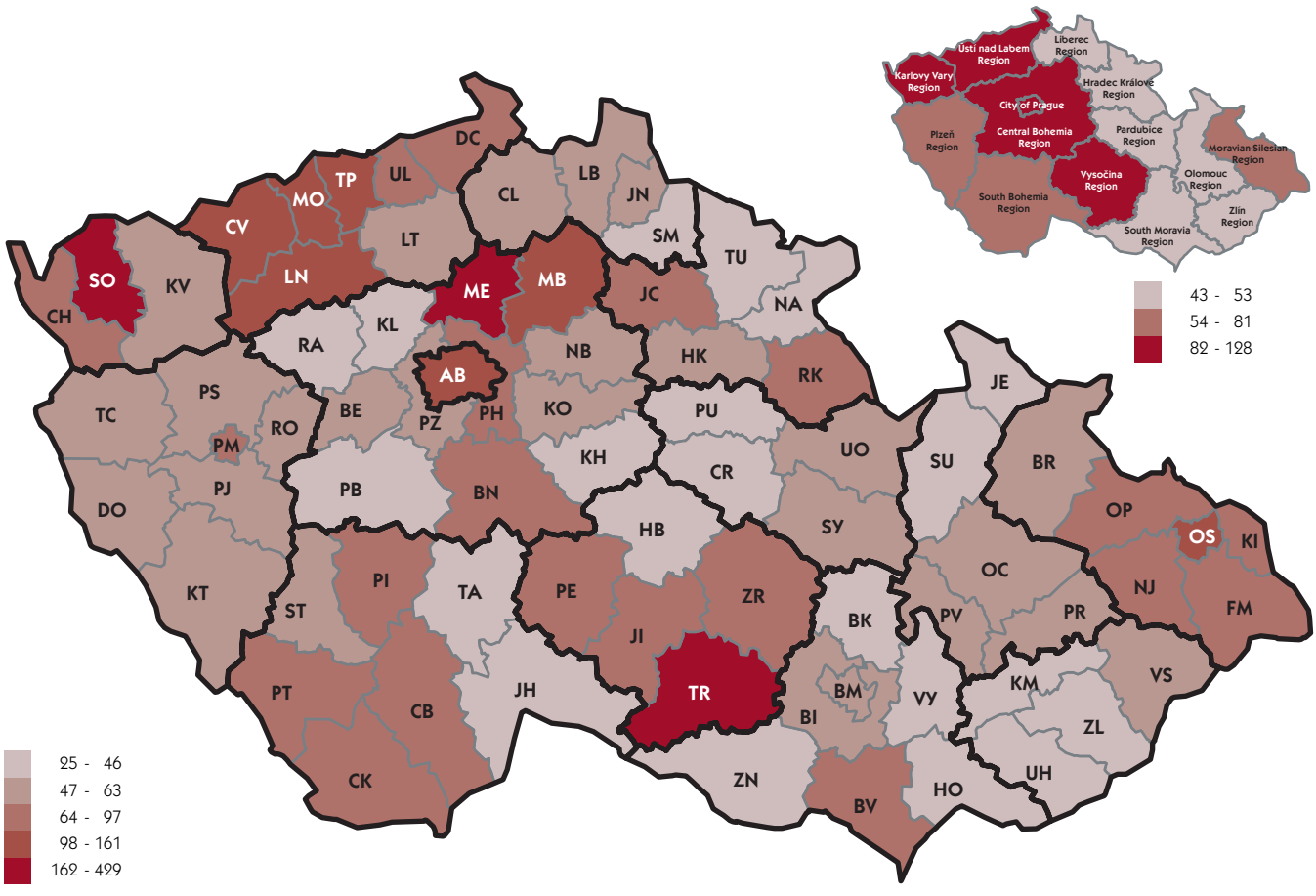
Incidents in particular days (number)



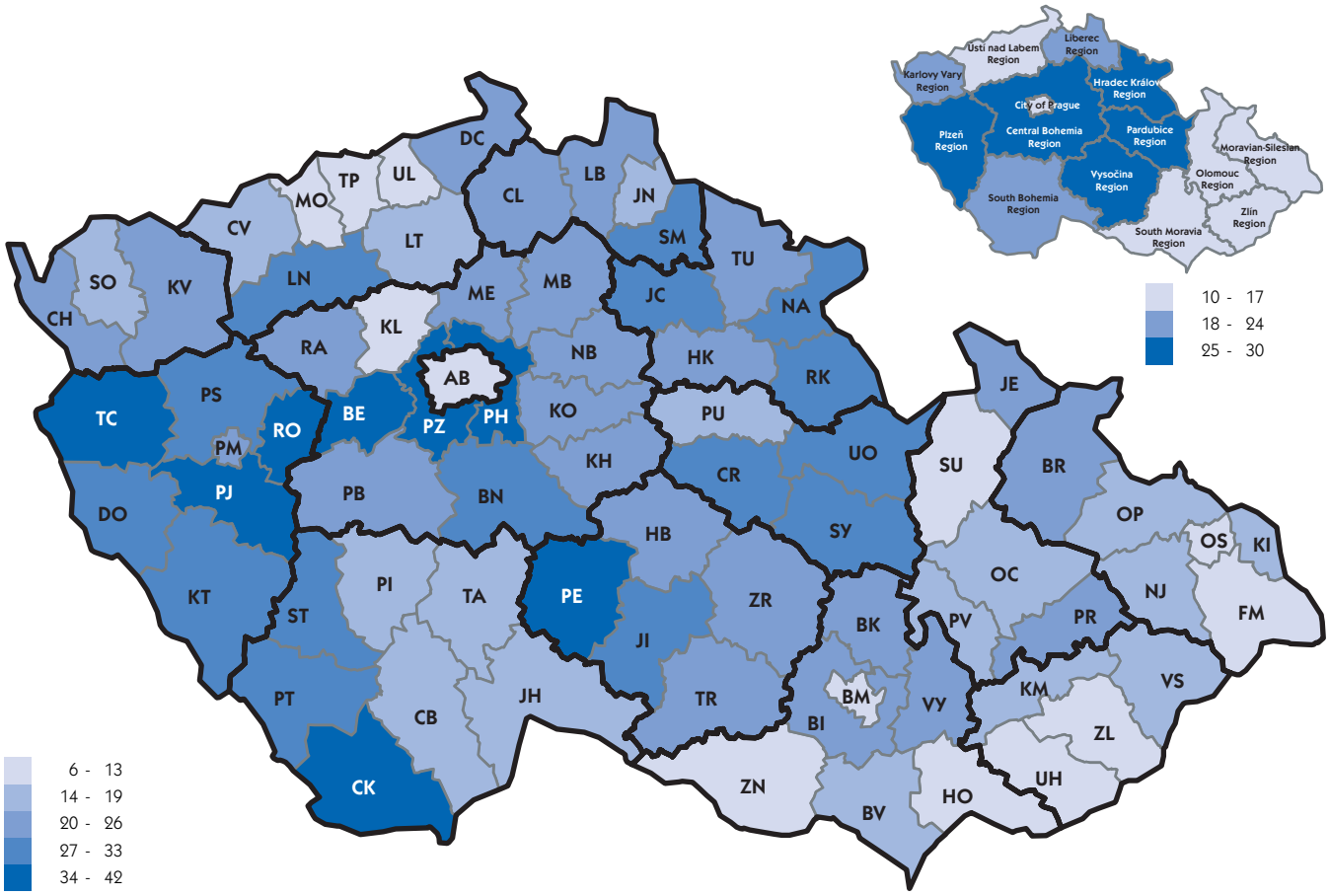
Incidents in particular months (number)



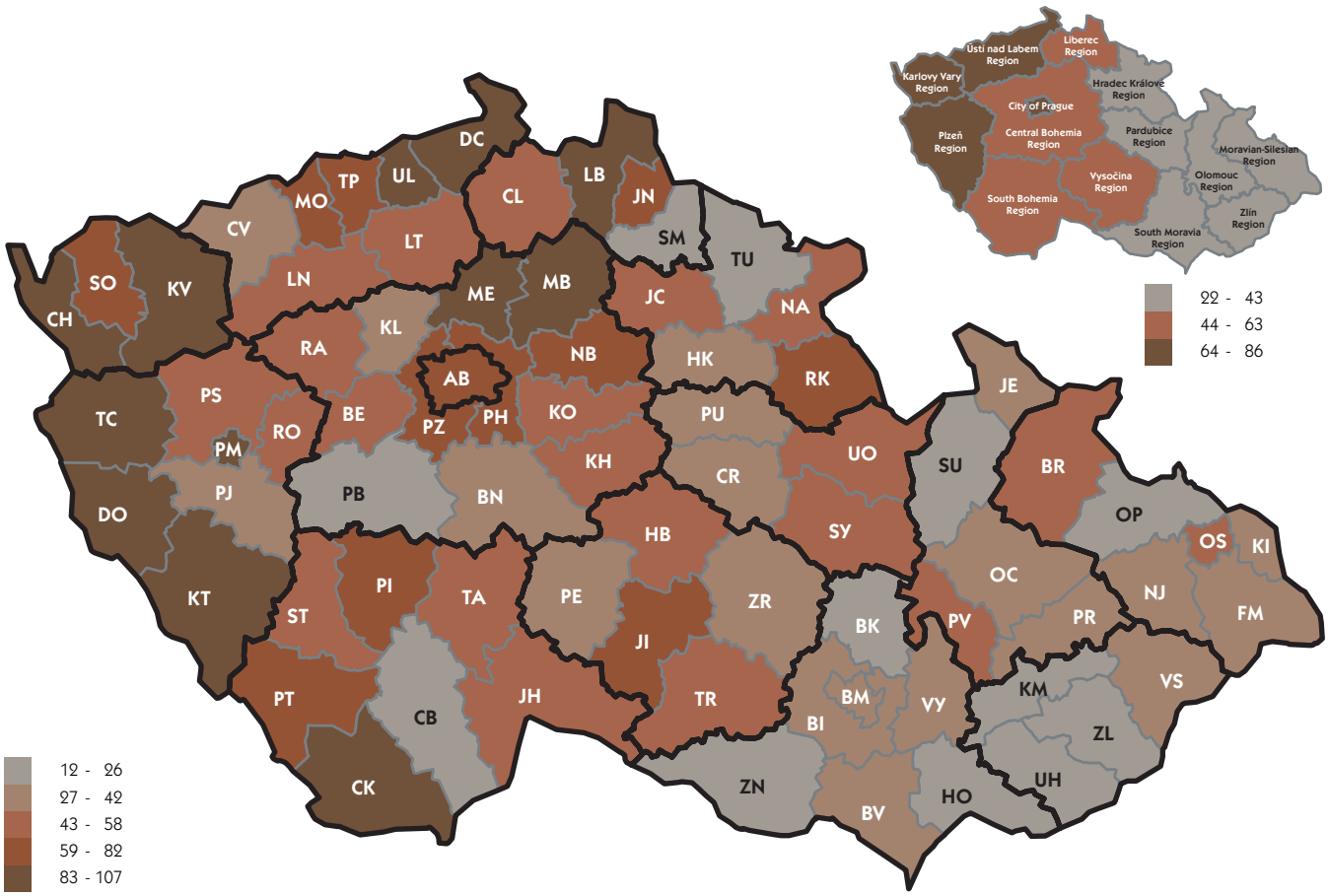
False alarms in 1999 - 2008 (number per 10,000 inhabitants)



Traffic accidents with participation of fire units in 1999 - 2008 (number of accidents per 1,000 inhabitants)

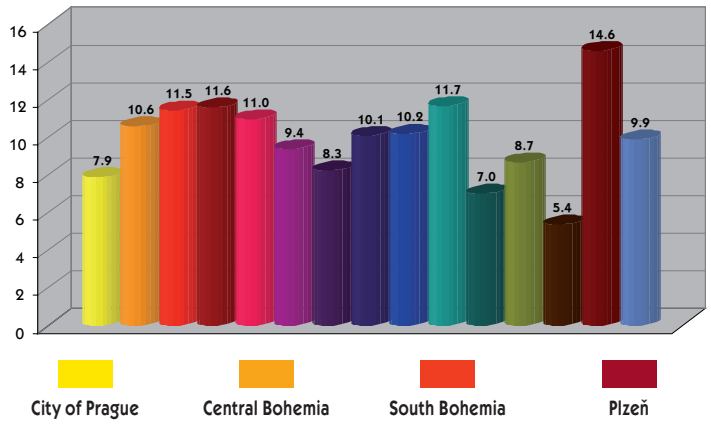


HazMat leakages in 1999 - 2008 (number of leakages per 10,000 inhabitants)

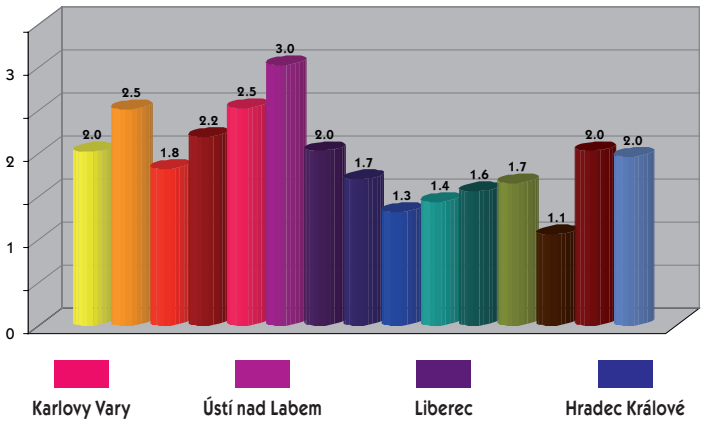


Number of incidents in regions (number per 1,000 inhabitants)

Total number of incidents



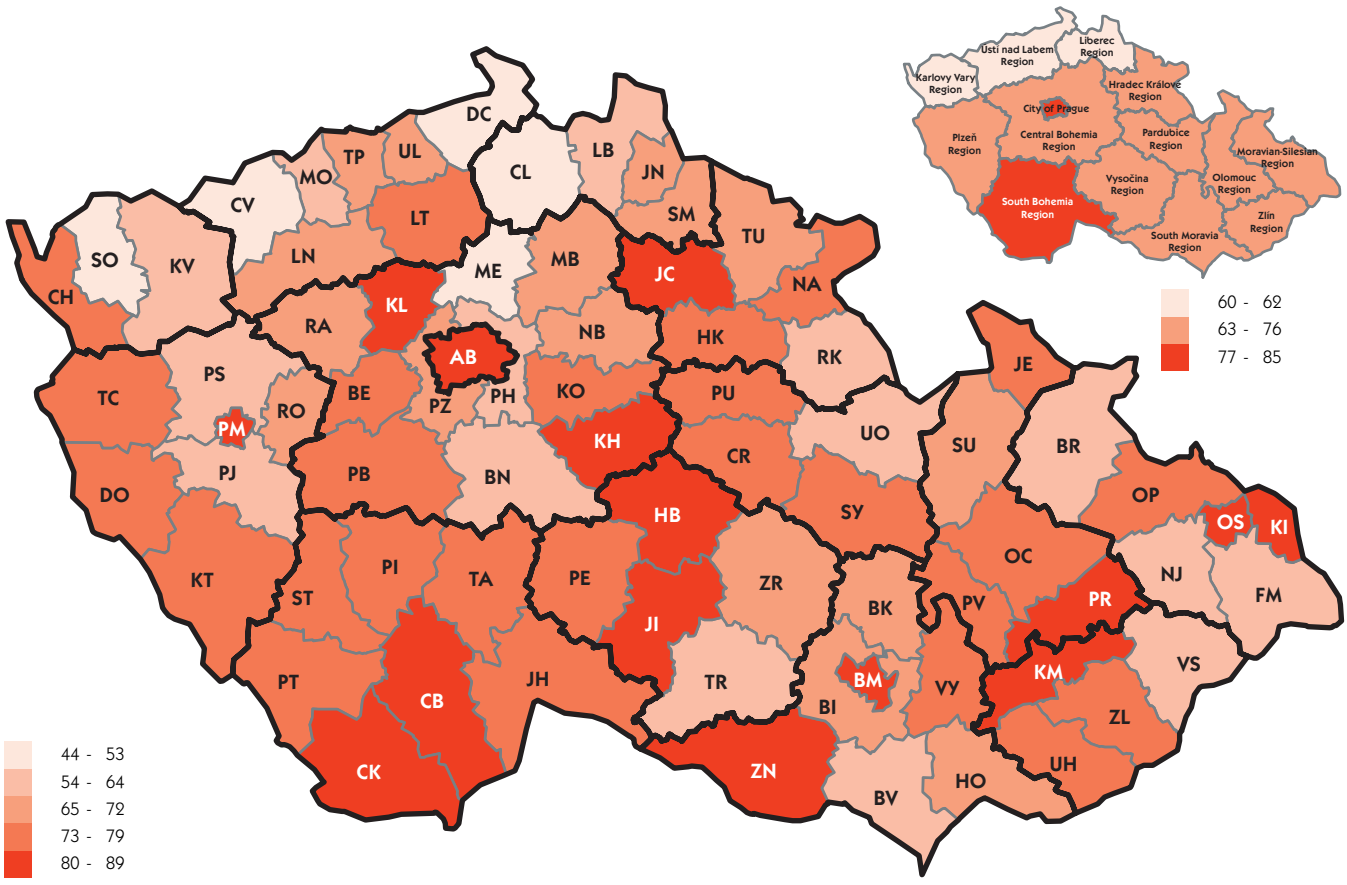
Fires



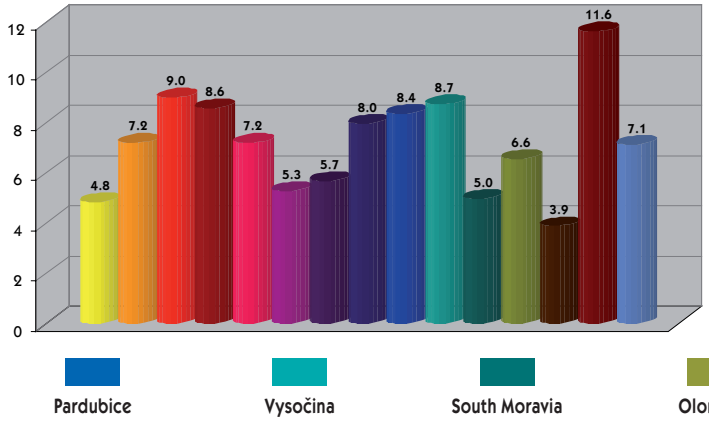
Cumulative information on incidents in regions

Incident Type	City of Prague	Central Bohemia	South Bohemia	Plzeň	Karlovy Vary	Ústí nad Labem
Fire	2,455	3,021	1,155	1,231	777	2,520
Traffic accidents	1,216	3,101	1,262	1,699	635	1,273
Natural disasters	333	1,135	0	353	0	162
Leakage of HazMat in total	1,301	797	280	421	263	646
part of oil products	1,224	653	245	352	212	547
Technical accidents in total	3,008	3,622	4,161	2,340	1,317	2,313
from these technical accidents	2	0	1	0	0	2
technical assistance	2,958	3,133	3,841	2,236	1,240	2,102
technological assistance	11	141	103	52	34	68
other assistance	37	348	216	52	43	141
Radiation incidents	0	0	0	0	0	0
Other emergencies	2	1	1	7	0	2
False alarms	1,259	1,071	392	452	383	888
Total	**9,574**	**12,748**	**7,251**	**6,503**	**3,375**	**7,804**

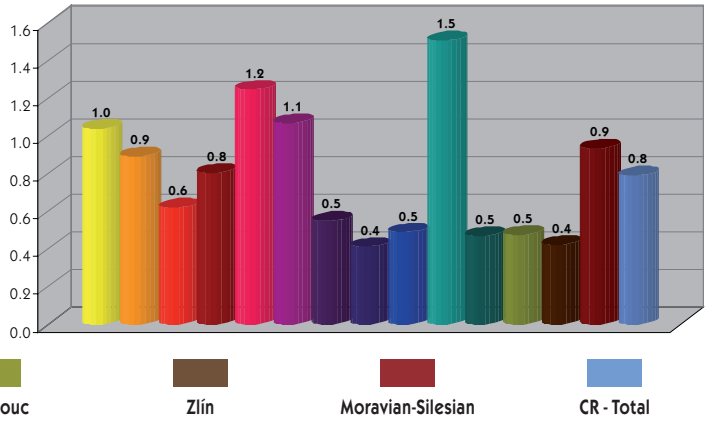
FRS CR interventions in 1999 – 2008 (% number of interventions from all interventions of all types of fire units)



Technical accidents

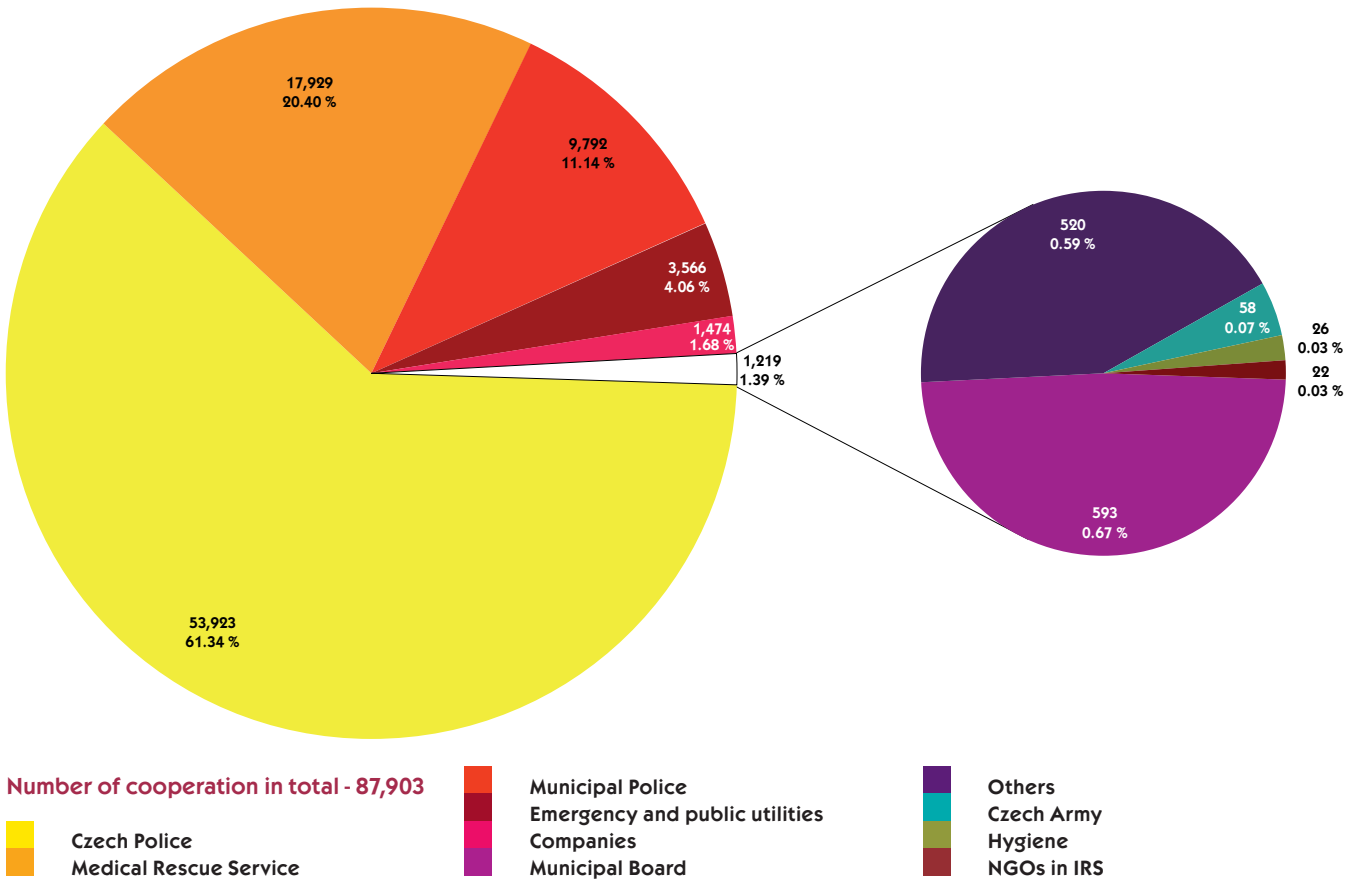


False alarms



Liberec	Hradec Králové	Pardubice	Vysočina	South Moravia	Olomouc	Zlín	Moravian-Silesian	CR
882	941	676	739	1,780	1,062	627	2,540	20,406
1,003	1,366	1,422	1,414	1,727	1,050	769	2,126	20,063
242	406	349	3	576	0	120	1,920	5,599
326	244	164	315	481	261	143	600	6,242
285	200	130	287	346	215	105	417	5,218
893	2,383	2,345	2,758	2,894	2,905	1,264	9,901	42,104
0	0	2	0	0	1	2	0	10
801	2,108	2,059	2,459	2,794	2,711	1,104	9,370	38,916
6	19	43	103	75	35	35	45	770
86	256	241	196	25	158	123	486	2,408
0	0	0	0	0	0	0	0	0
1	1	1	1	0	0	0	0	17
238	228	250	774	536	306	250	1,167	8,194
3,585	**5,569**	**5,207**	**6,004**	**7,994**	**5,584**	**3,173**	**18,254**	**102,625**

Cooperation of fire units in incidents



Incidents in 3rd stage and in special stage of alert

Incidents in 3rd stage

January 12th • Fire of a roof of an inhabited building in Sokolnice, Brno-venkov district; 15 fire units involved.

April 12th • Fire of pressure vessels with hydrogen, after a truck road accident in Ostrava; 16 fire units were involved for more than one day.

April 22nd • Fire of a cartonnage warehouse of the APOLY TRADE Ltd. in Ronov nad Doubravou, Havlíčkův Brod district; 16 fire units involved, 1-day operation.

May 15th • Fire of a dumping ground near the municipality of Košťálov, Semily district; 16 fire units involved, 1-day operation.

May 25th • Fire of a lodging-house in Brno-Líšeň; 16 fire units involved, 2-day operation.

July 28th • Fire of a meadow on the area of 1.6 hectares in Plzeň; 10 fire units were involved, 1-day operation.

August 20th • Fire of cars in the wreck field in Brno-Horní Heršpice; 13 fire units were involved, 1-day operation.

September 3rd • A wildfire on the area of 5 hectares near the municipality of Řikotín, Brno-venkov district; 17 fire units involved.

September 13th • Fire of a former aircraft hangar in Plzeň; 12 fire units involved for two days.

September 24th • Fire of several halls in an industrial premise in Hodonín; 14 fire units involved for two days.

December 10th • Fire of a semi-detached house in Dolní Bečva, Vsetín district; 9 fire units involved.

December 11th • Fire of a studio apartment in a high-rise building in Rudoltice, Ústí nad Orlicí district; 14 fire units involved.

December 20th • Fire of a paraffin unit in the chemical production building, Kolín; 16 fire units involved.

Incidents in special stage of alert

January 6th • Fire of a warehouse in the camion tranship centre in Nýřany, Plzeň-sever district; 16 fire units involved, 2-day operation.

August 8th • Railway accident – the bridge downfall in front of the speed train, near Studénka, Nový Jičín district; 19 fire units involved, 4-day operation.

September 12th • Fire of a production hall with the sizing unit of the AKUMA PLC Company, Mladá Boleslav; 41 fire units involved, 3-day operation.

October 16th • Fire of the western wing of a historical building of the Industrial Palace in Prague; 37 fire units were involved for three days.

November 6th • Fire of a warehouse in the open-air market of the SAPARIA PLC Company in Prague; 80 fire units and one helicopter were involved for four days in total.

Major interventions

The Emma hurricane, 1 – 2 March

Rapid changing of two cold fronts over the territory of the Czech Republic were accompanied by thunderstorms, hailstorms, and strong winds, which all caused rapid increase of water courses in the south and west of the country. Fast air circulation (with strokes up to 140 km per hour) caused trees fell across roads, railway lines, power lines, or constructions. Posts and poles of power distribution were damaged, and buildings with damaged roofs had to be evacuated. Strong wind caused plenty of traffic accidents. Many outages arose in regional networks of power distribution, and up to 1 million of inhabitants stayed temporarily without power supply. State of emergency in power industry had to be declared in four out of 14 regions, and state of calamity in other five ones. Strong wind took up two human lives, and caused millions of losses in forestry. In the course of four hours many incidents happened in the territory, which were notified by citizens through emergency calls; on Saturday 1st March c. 19,000 emergency calls were dispatched, and on Sunday 2nd other 8,900. Staff in all operational and information centres was reinforced, and many voluntary fire units of municipalities were called in. First day firefighters intervened 3,530 times (49 % by FRS CR fire units, i.e. 1,733 interventions), mostly to clean up and to remove obstacles from roads and railway lines, to clean-up results of traffic accidents, and tore roofs or other damaged parts of buildings which endangered surroundings. On Sunday 2nd March fire units intervened 1,258 times. During both days 11,500 firefighters in total were involved to clean-up results caused by the Emma hurricane. One firefighter (from the Konojedy VFU, Praha-východ district) was injured on his chest and an arm by a falling tree.

Railway accident in Studénka, Nový Jičín district, August 8th

The EC 108 Comenius international express train going from Krakow, Poland, to Prague, was passing through the Studénka railway station when crashed into a just at the moment downfallen bridge construction. The engine and several wagons were derailed, the train was disrupted, and first two carriages were heavily damaged. At 10:34 first fire units of the Moravian-Silesian FRS were sent from the Bílovec and the Nový Jičín fire stations, and the Studénka VFU, together with powers and means of Medical Rescue Service and the Czech Police. Based on first estimation of the situation on the spot, the incident commander declared the 3rd stage of the alert, and later on the special stage of the alert.

At first approximately one hundred of injured, and at about ten casualties were estimated. For their rescue and extrication as many as 22 fire units were involved, with 45 vehicles, and 151 firefighters; 64 medical rescuers incl. 18 doctors, 45 ambulances, and two helicopters from Ostrava and Olomouc Air Rescue Services.

The scene of operation was divided into the area for intervention of units, and the area for injured and their transport to hospitals

(a high-capacity air-inflated tent for emergency survival was used near the heliport). The regional leader called a meeting of the Regional Safety Board on site.
Fire units´ priority was to extricate surviving passengers from carriages (with using of hydraulic rescue tools) and transfer them to the area for injured. The most demanding was the extrication of a child with seriously injured legs. Concurrently searching of wreckages and the bridge debris continued, in order to find all survivals, and to locate dead bodies. For that endoscope's search camera was used, and a canine unit for searching in debris. Extrication of all survivals, their first immediate treatment, and transport to the sorting post to the care of medical rescuers and doctors, took 1.06 hours from first arrival of FRS units, at about 1.15 hours after the accident.
In wreckages of carriages and round total of six dead bodies and 36 injured people (one eventually died) were found.
The intervention was extremely difficult, as concerns powers and means of IRS bodies involved, nature of the incident, number of afflicted people (passengers, injured, dead, and their relatives), organisation on the operation place, coordination and management of rescue operations, and other actions outside the operation place. State administration bodies appreciated all activities of IRS bodies and the level of their cooperation and coordination as high professional.

Fire of the Industrial Palace, Prague, October 16th

This early-evening fire was caused by carelessness – from a switched-on electric cooker with flammable material on, in a kitchenette of an exhibition stand of dental equipment, inside the Industrial Palace. Owing to wooden lining of the hall, fire was spreading very fast, and first arriving fire units saw the roof of the left wing of the building in fire, and flames blazing out of windows. Immediately supporting fire units were sent, and fire attack was done by five B 75 jets and six C 52 jets, mainly to stop spreading of fire to adjoining constructions. The fire itself was localized in 90 minutes, but liquidated after three days of operation. Total of 282 firefighters from 37 fire units were involved (incl. Central Bohemia FRS fire units, and local VFU from Prague territory), with 79 fire engines and over 200 breathing apparatuses.
One of the two biggest fires in Prague fortunately didn't cause any serious injuries – only two firefighters were slightly injured – but caused damages worth 1 billion CZK (approx. 37 million EUR).
Prague representatives repeatedly appreciated high efficiency of this extinguishing intervention, and mainly saving other wings of the valuable historical palace.

Fire in the SAPARIA open-air market, Prague, November 6th

Fire in a central part of the open-air market in Prague was notified just after midnight. Massive fire spreading went through different ways:

- On surface of huge amounts of stored materials;
- On structural elements affected by unskilled adapting of constructions;
- Through transmissions after unskilled dismounting of original technological equipment;
- Through constructions damaged by partial collapse of the construction in fire.

Before noon part of roof collapsed, and fire was spreading to the east. Because of broken ground of the object, firefighters had difficulties to reach spaces with fire. In similar type of building in fire in 1999 one firefighter was seriously injured, though the incident commander stressed safety of operating firefighters in getting along. In places where the roof collapsed, fire was accessible and extinguished in short, but in hidden spots, hatches and closures burning continued, as water couldn't reach them effectively. In spite of that, fire spreading to the western part of the object, and to the adjoining northern part was stopped, also thanks to functional fire compartments in part of the construction after reconstruction approval. Onward spreading of fire to the eastern part was stopped only after a massive fire attack at 2:00 – 3:00 p.m. Continuous supply of water to the focus of fire (over 10,000 litres per minute) was supported by all available fire engines.
This extinguishing operation was exceptional by extent of powers and equipment involved, and by very difficult coordination of all involved bodies. In fact it was the biggest joined operation of fire units from different regions of Bohemia in one fire case, since mid-1990s, when a major fire of the Litvínov oil refinery happened.
When another part of the roof collapsed and larger part of the object was accessible, the incident commander decided to call a helicopter in. The helicopter with a water bag went repeatedly nearly fifty times over the object, throwing down water through gaps in the roof, until intensity of burning wasn't suppressed. Approximately 47,000 litres of water was used there.
The fire was localized after 19 hours of struggle, but liquidated after four days of operation. Total of 969 firefighters from 80 fire units both FRS and VFU were involved, with 101 fire engines, and over 1,000 breathing apparatuses were used.
During the whole fire operation harmful substances were measured both on spot and in surrounding residential area. Although in the incident place their concentration overreached the hygiene limits several times, in the residential area stayed 25 % under limits. Disperse conditions were even better during daytime, and further monitoring in the residential area wasn't necessary.
The fire completely destroyed the central part of the warehouse object, and heavily damaged its eastern wing. The western wing and surrounding buildings were saved. The fire affected approximately 10 % of the warehousing premises. Estimated damages are 130 million CZK (4.64 million EUR), and five firefighters were slightly injured. The cause of fire is under investigation.

Survey on fire units interventions in districts and regions

District (region)	Interventions in total		FRS CR interventions			Municipal VFU interventions			Company FRS interventions			Other units interventions	
	Number	Ind. %	Number	Ind. %	% in total	Number	Ind. %	% in total	Number	Ind. %	% in total	Number	% in total
City of Prague	**10,616**	**92**	**8,901**	**91**	**83.8**	**403**	**66**	**3.8**	**1,307**	**114**	**12.3**	**5**	**0.1**
Benešov	1,353	96	825	93	61.0	474	105	35.8	54	87	4.1	0	0.0
Beroun	1,168	90	849	96	72.7	310	85	26.5	9	82	0.8	0	0.0
Kladno	1,365	81	1,032	80	75.6	307	85	22.5	25	81	1.8	1	0.1
Kolín	1,205	106	857	99	71.1	224	151	18.6	123	100	10.2	1	0.1
Kutná Hora	982	101	716	93	72.9	164	145	16.7	102	117	10.4	0	0.0
Mělník	1,688	89	908	92	53.8	288	84	17.1	492	88	29.1	0	0.0
Mladá Boleslav	2,099	101	1,166	98	55.6	222	111	10.6	710	105	33.8	1	0.0
Nymburk	1,061	134	684	128	64.5	307	157	28.9	69	113	6.5	1	0.1
Praha-východ	2,060	100	1,212	96	58.8	771	116	37.4	77	60	3.7	0	0.0
Praha-západ	1,805	118	1,076	113	59.6	709	129	39.3	20	74	1.1	0	0.0
Příbram	1,332	100	825	86	61.9	492	136	36.9	15	136	1.1	0	0.0
Rakovník	757	86	459	82	60.6	289	93	38.2	9	150	1.2	0	0.0
Central Bohemia	**16,875**	**99**	**10,609**	**95**	**62.9**	**4,557**	**112**	**27.0**	**1,705**	**96**	**10.1**	**4**	**0.0**
České Budějovice	2,540	95	2,120	95	83.5	281	92	11.1	138	93	5.4	1	0.0
Český Krumlov	1,007	87	837	85	83.1	139	105	13.8	30	65	3.0	1	0.1
Jindřichův Hradec	1,026	88	692	88	67.5	302	90	29.4	32	84	3.1	0	0.0
Písek	858	90	673	91	78.4	173	87	20.2	12	80	1.4	0	0.0
Prachatice	915	67	653	74	71.4	241	52	26.3	14	58	1.5	7	0.8
Strakonice	795	98	681	99	85.6	92	88	11.6	22	105	2.8	0	0.0
Tábor	1,062	100	733	94	69.0	275	107	25.9	54	208	5.1	0	0.0
South Bohemia	**8,203**	**89**	**6,389**	**90**	**77.9**	**1,503**	**84**	**18.3**	**302**	**95**	**3.7**	**9**	**0.1**
Domažlice	940	96	668	104	71.1	250	78	26.6	22	138	2.3	0	0.0
Klatovy	1,407	89	975	94	69.3	410	79	29.1	22	122	1.6	0	0.0
Plzeň-jih	934	91	582	99	62.3	338	79	36.2	14	117	1.5	0	0.0
Plzeň-město	2,093	102	1,895	103	90.5	131	88	6.3	67	103	3.2	0	0.0
Plzeň-sever	1,338	109	885	108	66.1	390	104	29.1	61	165	4.6	2	0.2
Rokycany	832	87	592	84	71.2	226	97	27.2	14	74	1.6	0	0.0
Tachov	1,165	97	811	102	69.6	342	92	29.4	12	39	1.0	0	0.0
Plzeň	**8,709**	**97**	**6,408**	**100**	**73.6**	**2,087**	**87**	**24.0**	**212**	**107**	**2.4**	**2**	**0.0**
Cheb	1,360	72	908	72	66.8	356	76	26.2	96	70	47.1	0	0.0
Karlovy Vary	1,699	84	857	84	50.4	771	84	45.4	53	77	3.1	18	1.1
Sokolov	1,321	76	544	83	41.2	492	69	37.2	276	76	20.9	9	0.7
Karlovy Vary	**4,380**	**78**	**2,309**	**78**	**52.7**	**1,619**	**77**	**37.0**	**425**	**74**	**9.7**	**27**	**0.6**
Děčín	1,463	67	637	50	43.5	561	68	38.3	265	291	18.1	0	0.0
Chomutov	1,626	112	980	157	60.3	580	84	35.7	61	43	3.7	5	0.3
Litoměřice	1,133	94	842	82	74.3	249	172	22.0	42	140	3.7	0	0.0
Louny	1,191	95	742	84	62.3	381	121	32.0	66	118	5.5	2	0.2
Most	1,484	91	956	89	64.4	240	105	16.2	288	89	19.4	0	0.0
Teplice	1,383	93	968	94	70.0	252	91	18.2	142	98	10.3	21	1.5
Ústí nad Labem	1,186	89	840	92	70.8	175	90	14.8	171	117	14.4	0	0.0
Ústí nad Labem	**9,466**	**90**	**5,965**	**87**	**63.0**	**2,438**	**91**	**25.8**	**1,035**	**89**	**10.9**	**28**	**0.3**
Česká Lípa	1,158	78	529	88	45.7	616	71	53.2	10	43	0.9	1	0.1
Jablonec nad Nisou	851	72	678	84	79.7	159	50	18.7	14	26	1.6	0	0.0
Liberec	2,044	86	1,079	86	52.8	841	88	41.1	121	79	5.9	3	0.2
Semily	819	66	606	70	74.0	184	46	22.5	17	106	2.1	12	1.4
Liberec	**4,872**	**77**	**2,892**	**82**	**59.3**	**1,800**	**71**	**36.9**	**162**	**66**	**3.4**	**16**	**0.3**
Hradec Králové	1,830	98	1,279	99	69.9	500	94	27.3	40	74	2.2	11	0.6
Jičín	1,098	90	901	93	82.1	137	72	12.5	60	90	5.4	0	0.0
Náchod	1,487	87	1,008	86	67.8	449	91	30.2	21	95	1.4	9	0.6
Rychnov nad Kněžnou	1,245	102	725	97	58.2	454	114	36.5	65	117	5.2	1	0.1
Trutnov	1,260	72	777	71	61.7	457	72	36.3	23	110	1.8	3	0.2
Hradec Králové	**6,920**	**89**	**4,690**	**89**	**67.8**	**1,997**	**89**	**28.9**	**209**	**86**	**3.0**	**24**	**0.3**
Chrudim	1,300	112	867	103	66.7	408	130	31.4	16	200	1.2	9	0.7
Pardubice	1,630	117	1,249	121	76.6	269	111	16.5	112	91	6.9	0	0.0
Svitavy	1,364	114	981	105	71.9	338	164	24.8	45	79	3.3	0	0.0
Ústí nad Orlicí	2,144	104	1,269	96	59.2	613	148	28.6	252	83	11.7	10	0.5
Pardubice	**6,438**	**110**	**4,366**	**105**	**67.8**	**1,628**	**138**	**25.3**	**425**	**86**	**6.6**	**19**	**0.3**
Havlíčkův Brod	1,312	97	978	93	74.5	296	111	22.6	37	137	2.8	1	0.1
Jihlava	1,411	88	1,070	85	75.8	287	101	20.3	54	113	3.8	0	0.0
Pelhřimov	1,283	104	847	93	66.0	428	135	33.4	7	700	0.5	0	0.0
Třebíč	1,731	104	950	95	54.9	287	110	16.6	494	123	28.5	0	0.0
Žďár nad Sázavou	1,597	101	1,001	97	62.7	485	128	30.4	11	50	0.7	100	6.2
Vysočina	**7,334**	**99**	**4,846**	**91**	**66.1**	**1,783**	**118**	**24.3**	**603**	**120**	**8.2**	**102**	**1.4**
Blansko	1,256	105	699	90	55.6	520	135	41.4	22	183	1.8	15	1.2
Brno-město	3,563	107	2,932	102	82.3	515	153	14.4	116	85	3.3	0	0.0
Brno-venkov	3,105	99	1,919	99	61.8	1,093	105	35.2	93	59	3.0	0	0.0
Břeclav	1,035	88	561	85	54.2	415	121	40.1	59	35	5.7	0	0.0

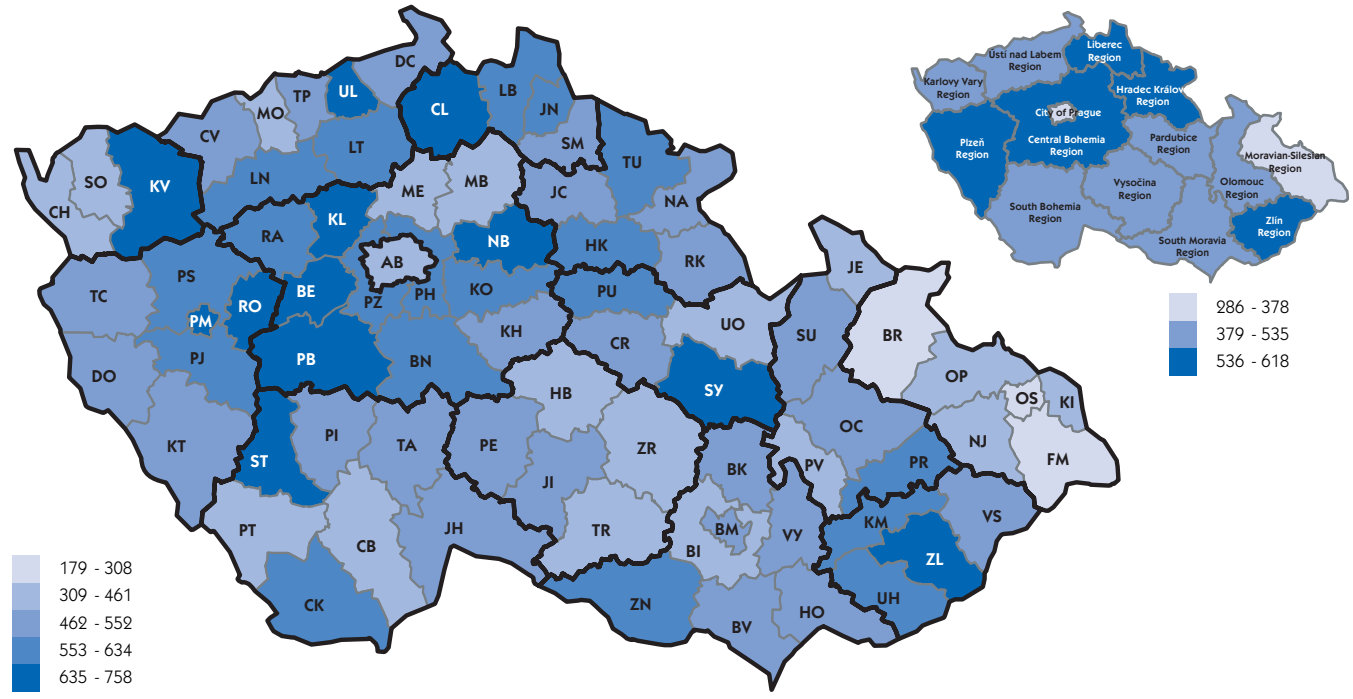
District (region)	Interventions in total		FRS CR interventions			Municipal VFU interventions			Company FRS interventions			Other units interventions	
	Number	Ind. %	Number	Ind. %	% in total	Number	Ind. %	% in total	Number	Ind. %	% in total	Number	% in total
Hodonín	1,187	118	713	103	60.1	434	160	36.6	40	114	3.3	0	0.0
Vyškov	1,152	95	769	92	66.8	369	101	32.0	14	127	1.2	0	0.0
Znojmo	912	116	695	104	76.2	214	188	23.5	3	33	0.3	0	0.0
South Moravia	**12,210**	**103**	**8,288**	**98**	**67.9**	**3,560**	**125**	**29.2**	**347**	**65**	**2.8**	**15**	**0.1**
Jeseník	613	97	423	95	69.0	183	101	29.9	7	x	1.1	0	0.0
Olomouc	2,288	101	1,596	93	69.7	521	145	22.8	152	86	6.6	19	0.8
Prostějov	1,407	100	957	90	68.0	415	141	29.5	35	135	2.5	0	0.0
Přerov	1,809	107	1,396	98	77.2	288	164	15.9	125	133	6.9	0	0.0
Šumperk	1,255	92	781	95	62.2	435	87	34.7	39	100	3.1	0	0.0
Olomouc	**7,372**	**100**	**5,153**	**94**	**69.9**	**1,842**	**122**	**25.0**	**358**	**107**	**4.9**	**19**	**0.2**
Kroměříž	811	71	566	75	69.8	231	65	28.5	13	50	1.6	1	0.1
Uherské Hradiště	870	80	586	83	67.4	234	88	26.9	15	115	1.7	35	4.0
Vsetín	1,276	95	625	93	49.0	553	97	43.3	98	98	7.7	0	0.0
Zlín	1,539	100	939	89	61.0	384	70	25.0	136	86	8.8	80	5.2
Zlín	**4,496**	**98**	**2,716**	**85**	**60.4**	**1,402**	**96**	**31.2**	**262**	**88**	**5.8**	**116**	**2.6**
Bruntál	1,977	71	1,246	77	63.0	702	61	35.5	14	56	0.7	15	0.8
Frýdek-Místek	3,372	97	1,483	102	44.0	1,481	87	43.9	408	139	12.1	0	0.0
Karviná	3,151	90	2,610	105	82.8	397	51	12.6	144	59	4.6	0	0.0
Nový Jičín	2,134	105	896	97	42.0	874	138	41.0	364	77	17.0	0	0.0
Opava	2,276	97	1,260	92	55.4	726	96	31.9	27	113	1.2	263	11.5
Ostrava	8,392	89	6,908	95	82.3	965	66	11.5	518	101	6.2	1	0.0
Moravian-Silesian	**21,302**	**91**	**14,403**	**95**	**67.6**	**5,145**	**79**	**24.2**	**1,475**	**94**	**6.9**	**279**	**1.3**

Portion of types of fire units in total number of incidents

- **FRS CR – 67.8** % of all interventions. Total of 238 fire units filed to Dec 31, 2008.
- **Municipal VFU – 24.9** % of all interventions. Total of 7,343 fire units of several categories: II – 202, III – 1,339, V – 5,802. From the total number as many as 856 (11.7 %) fire units operated only in one intervention, and 4,378 of them (59.6 %) didn't operate at all. High portion of municipal VFU interventions were in fires, natural disasters, and in traffic accidents.
- **Company FRS – 6.8** % of all interventions. Total of 116 fire units, 22 of them are military fire units within the Czech Army that operate as fire units in military objects and premises. Main interventions: technical / technological assistance, and also false alarms. Many interventions of technical assistance were agreed before, and though were not involved into the statistics.
- **Company VFU – 0.5** % of all interventions. Total of 256 fire units. Main interventions: fires, false alarms.

Total number of firefighters in the Czech Republic in 2008:
9,419 professional firefighters with FRS CR (6,554 of them placed in fire units of FRS) and 1,133 of civil employees with FRS CR
2,472 professional firefighters with companies, incl. 479 military firefighters
74,358 voluntary firefighters both municipal and companies.

Cooperation of fire units with the Czech Police in 2004 – 2008 (number per 1,000 interventions)

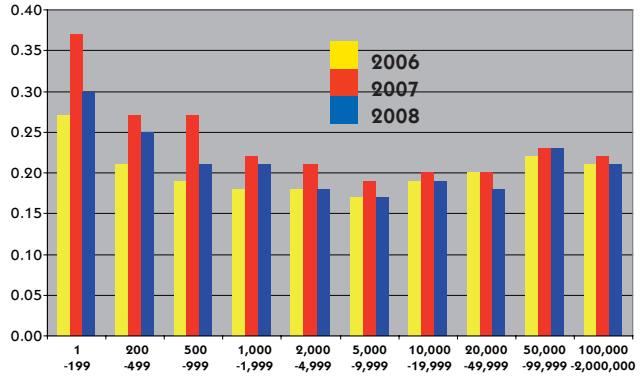


Number of particular activities of fire units

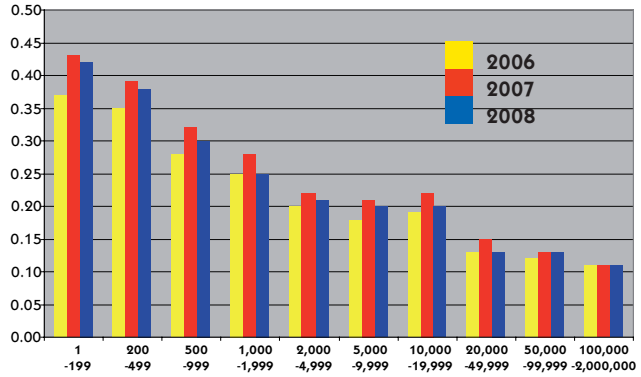
Activity type	FRS CR		Municipal VFU		Company FRS		Company VFU		Total	
	Number	Ind. %	Number	Ind. %	Number	Ind. %	Number	Ind. %	Number	Ind. %
Fire assistance	220	82	408	93	90	50	17	189	735	82
Assistance while searching/liquidation of explosives	86	179	14	78	7	41	2	x	109	131
Investigation	73,475	96	21,655	102	7,267	98	516	104	102,913	97
Intervention with fire extinguishers	470	112	201	107	115	104	13	68	799	108
Intervention with simple extinguishing means	1,852	96	992	89	151	78	3	75	2,998	93
C stream water	5,996	89	5,393	89	574	74	34	89	11,997	88
B stream water	332	95	302	90	30	97	5	83	669	93
Water from monitors	662	122	731	139	37	59	2	67	1,432	125
High-pressure water	7,770	96	1,419	120	377	86	8	160	9,574	98
Low expansion foam	3	150	0	0	0	0	0	0	3	75
Medium expansion foam	45	136	10	83	7	64	1	x	63	113
High expansion foam	140	115	16	53	23	70	0	0	179	94
Wetting agent	371	95	118	81	22	138	0	0	511	93
Powder from mobile equipment	29	223	2	200	5	167	0	0	36	212
Inert gases from mobile equipment	21	91	1	x	9	225	0	0	31	119
Special technical means and agents	151	128	29	78	1	33	0	0	181	115
Water pumping	708	74	1,058	59	133	68	18	78	1,917	64
Remote hose water trasport	97	87	253	76	14	117	5	250	369	81
Remote shuttle water trasport	463	63	1,290	79	65	78	9	225	1,827	78
Water refilling	1,473	93	2,410	89	188	71	14	100	4,085	90
Cooling	864	99	380	108	142	112	4	57	1,390	102
Natural ventilation of spaces	3,342	101	832	106	211	116	49	87	4,434	100
Mechanical ventilation of spaces	1,634	105	344	140	67	131	35	125	2,080	111
Insultation, separation of agents	115	90	15	94	14	108	1	25	145	90
Neutralization	109	111	5	100	11	79	0	0	125	105
Dilution	47	84	10	77	19	76	2	100	78	81
Agent pumping	244	82	23	82	38	81	1	100	306	82
Leakage enclosing	1,196	95	178	105	119	113	6	40	1,499	97
Leakage collection (except oil products)	393	84	56	86	64	85	8	50	521	83
Identification of leakage type	796	102	93	85	85	85	15	58	989	97
Gas concentration measurement	1,039	109	22	147	83	141	21	263	1,165	124
Securing accident site	11,389	98	1,850	111	546	110	9	113	13,794	100
Handling consequences of traffic accident	11,123	94	1,829	116	522	107	9	260	13,483	97
Road and other obstacles removal	4,175	355	702	644	28	467	0	0	4,905	280
Oil leakage removal - vehicle operational fillings	11,362	80	5,974	95	963	94	26	153	18,325	85
Traffic control on communications	11,167	100	1,690	113	446	100	14	67	13,317	101
Enviromental protection	1,307	77	982	90	82	66	4	80	2,375	82
Lighting of the incident site	2,346	107	635	136	38	165	0	0	3,019	113
Water response	456	109	148	114	11	92	0	0	615	90
Water and underwater response	218	98	79	89	2	50	0	0	299	95
Attendance to hazardous equipment	215	88	33	93	4	50	0	0	252	85
Provisional repair	1,211	101	356	112	204	101	17	121	1,788	103
Structures dismantling	2,753	92	2,187	101	153	91	15	93	5,108	96
Closing of water pipes, gas and electricity	2,875	113	434	127	80	118	5	44	3,394	115
Breaking into closed space	12,676	98	678	91	198	94	1	17	13,553	98
Height response using climbing technique	532	76	101	91	36	62	0	0	669	77
Height and depth response	3,350	80	716	77	121	73	9	300	4,196	79
Searching for persons	955	122	301	147	39	97	4	133	1,299	126
Searching and rescue of persons from water	186	116	41	164	2	50	0	0	229	121
Rescue of persons from depth	149	113	23	164	9	113	1	x	182	118
Rescue of persons from heights	142	96	19	112	5	100	0	0	166	97
Rescue of persons from crashed vehicles	1,514	95	204	121	43	187	1	x	1,762	99
Rescue of persons from lifts	1,303	95	49	144	132	130	29	78	1,513	98
Rescue of persons from collapsed buildings	21	72	13	100	0	0	0	0	34	79
Other rescue of persons	2,259	112	230	132	360	171	82	73	2,931	117
Premedical care	2,138	108	363	133	362	82	74	117	2,937	107
Items extrications	890	72	251	90	51	82	3	75	1,195	75
Animal netting, search inclusive	769	76	198	117	38	100	1	33	1,006	83
Troblesome insects catching and liquidation	2,701	94	1,848	56	152	72	1	50	4,702	61
People evacuation from objects	327	109	78	104	22	147	7	350	434	110
Area people evacuation	20	95	8	100	3	150	0	0	31	100
Property evacuation	263	84	307	91	8	73	3	100	581	87
Evacuation of animals	98	76	54	87	2	x	1	0	155	81
Establishing and running of evacuation centres	1	100	0	0	0	0	0	0	1	33
Marking of hazardous areas	282	107	118	176	16	80	2	67	418	118
Special cleaning - decontamination, detoxication	51	50	2	22	2	12	1	100	56	43
Special cleaning of responding forces and equipment	24	42	1	100	4	50	0	0	29	44
Establishing shelters	0	0	0	0	0	0	0	0	0	0
Transport of drinking water, food and items for survival	32	100	43	59	3	43	0	0	78	70
Distribution of drinking water and food	51	146	9	64	4	133	0	0	64	115

Activity type	FRS CR		Municipal VFU		Company FRS		Company VFU		Total	
	Number	Ind. %	Number	Ind. %	Number	Ind. %	Number	Ind. %	Number	Ind. %
Logistics	257	97	198	103	15	150	1	50	471	100
Waiting for special services	1,410	91	248	133	142	95	0	0	1,800	95
Stand-up on incident site	1,536	127	3,308	134	166	111	19	173	5,029	131
Stand-up their own station	230	80	443	96	2	33	1	33	676	89
Stand-up a station (other than their own)	173	140	922	120	6	32	1	50	1,102	121
Others	8,570	36	2,268	38	825	37	106	31	11,769	36
Without intervention after arrival	1,063	138	710	173	122	105	7	117	1,902	146
Total	**208,713**	**90**	**68,911**	**95**	**15,937**	**88**	**1,243**	**83**	**294,804**	**91**

Fires in municipalities by size category
(number per 100 inhabitants)



Traffic accidents in municipalities by size category
(number per 100 inhabitants)



Number of interventions of all fire units by incident distance (in %)

Adverse influences of interventions

Type	Number	Index %
Late arrival of fire units		
Improper function of a notification centre	37	132
Failure of communication means	134	89
Late reporting compared to noticing	27	93
Late alarm compared to reporting	16	123
Late response compared to alarm	6	75
Difficult access to the site	283	58
Vehicle malfunction while driving	12	60
Requested local fire units did not response	9	133
Futher fire units requested late	3	150
Other	54	114
Fire fighting conditions of fire units		
Lack of forces	5	45
Lack of basic equipment and means	16	145
Lack of special equipment	32	86
Lack of water	22	116
Lack of protection means	2	100

Type	Number	Index %
Fire fighting conditions of fire units		
Lack of other fighting means	5	45
Failure of fire equipment	55	65
Incorrect use of forces and means	0	0
Poor cooperation with an owner/user	44	116
Other	5	56
Circumstances handicapping the intervention		
Smoke or other gaseous toxic substances	426	82
Heat radiation, melting of materials	68	103
Electrical current not switched off	84	94
Explosion or destruction risk	82	88
Insufficient access area	62	78
Insufficient operating/evacuation routes	56	63
Temperatures below minus 10 °C	12	55
Other bad atmospheric conditions	1,116	58
Bad technological conditions	13	100
Other	32	58

Major exercises of the Integrated Rescue System bodies in 2008

EU-EX ALBIS 2008

EU-Ex Albis 2008, the Czech – German exercise was held in Litoměřice, North Bohemia, from 16th to 18th May 2008. More than 500 firefighters, soldiers, medical rescuers, representatives of the town of Litoměřice, of the Elbe River Authority, members of the German Agency for Technical Relief (THW), Monitoring and Information Centre of EU (MIC), and Assessment and Coordination Team of EU were involved. The exercise scenario was cope with flood situation on the Elbe and the Ohře rivers. The exercise was supported by European Union.

EU-Ex Albis 2008 exercise assumed the following scenario: major floods on the Elbe river endanger the Litoměřice region in northern part of the Czech Republic. Therefore, flood control, evacuation, extrication and rescue of citizens were necessary. The situation assumed that the Czech Republic is requesting for relief through the EU MIC (Monitoring and Information Centre). Then, Germany was sending a 160-member operation detachment of the THW for supporting the Czech forces.

All disposed equipment and means usually used during floods were applied: high-capacity water pumps for water pumping, constructions of flood-protection dikes and barriers, use of sandbags or scum-boards for collection of leaked hazardous material.

Interoperability of all participating authorities and forces was examined, starting with the Litoměřice Crisis Staff and the Elbe River Authority, as well as cooperation of other bodies of the Integrated Rescue System on different command levels, organization, and activities of units at the operation field. Mutual cooperation with assisting THW units was also proved.

Ostrava 2008

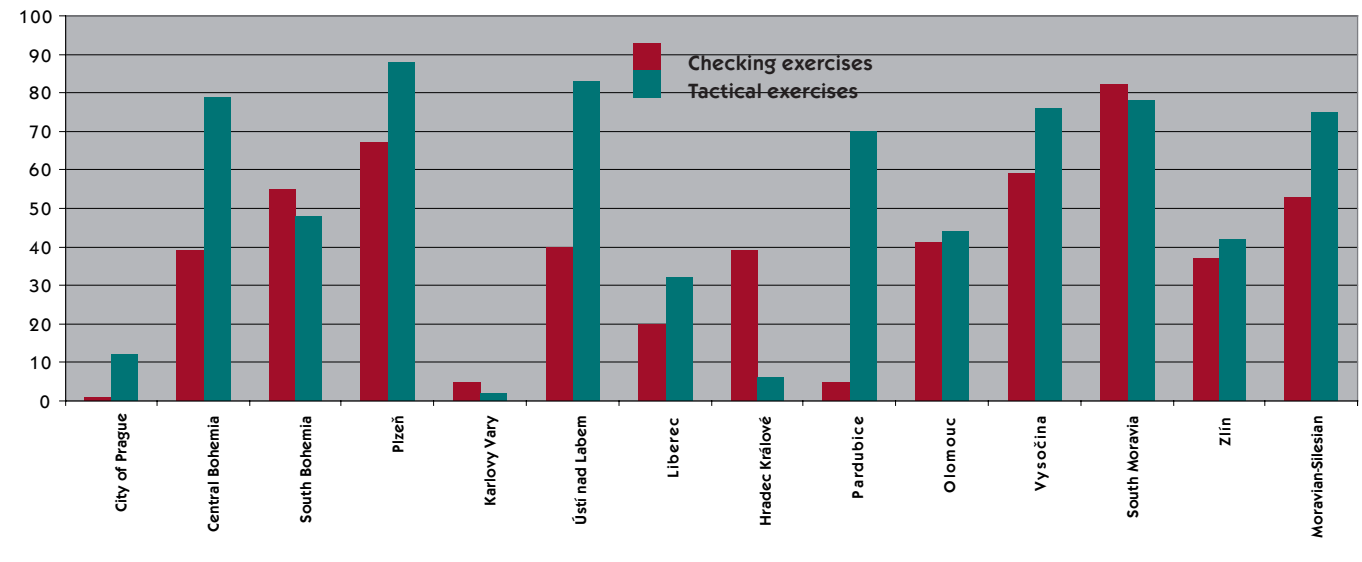
The international exercise of urban search and rescue teams (USAR) called OSTRAVA 2008 was held in Ostrava and its surroundings from 4th to 7th November 2008. As many as 234 participants, both exercising and organizers, were involved. The Czech Republic was represented by the USAR team of the Fire & Rescue Service of Moravian-Silesian Region, and by the USAR team of the Prague Fire & Rescue Service; other USAR teams arrived from Poland, Hungary, and Estonia. The exercise scenario was liquidation of consequences of the ESTER windstorm, which struck during the night on 2nd November 2008 in the Moravian-Silesian Region, and caused serious damages especially in Ostrava and surrounding industrial areas.

Main aim of the exercise was to check fighting powers of each team either during individual deployment, or during common fulfilment of specific tasks. Selected areas and prepared scenarios simulated conditions that can be met during real operation, with special emphasis on self-sufficiency of the teams. Till now, any exercise of similar extent, focused entirely on USAR team activities, and with receiving of international assistance, hasn't been realised within FRS CR.

ROPA 2008

On 11th October 2008 the ROPA 2008 international exercise concerning the Ingolstad Pipeline (IKL) was held on the Czech – German border. The exercise involved the Fire & Rescue Service of the Plzeň Region, the Plzeň Region Authority, the MERO ČR, Inc., the Bavarian Ministry of Interior, and the Neustadt a.d. Waldnaab Region. The aim of this exercise was to check and - if required – to reassess procedures mentioned in the IKL Emergency Plan for areas of both countries in case of breakdown of pipeline followed by oil leakage. Main task was to practice commanders' skills during joint operation of Czech fire units and German fire units, to test connections and communications, and to prove managing of units during this joint operation. Up to 178 participants and referees, and 34 fire engines from both countries were involved. Both sides were regularly exchanging updated information during joint coordination within the exercise, and offered technical and personnel assistance to the counterparts. The Joint Coordination Centre was established during the exercise, and well-trained members of the Regional 112 Call Centre of the Plzeň Fire & Rescue Service overcame language barriers between staff members.

Checking and tactical exercises (number)



Emergency calls

Emergency calls are the most used way how to call for help, or how to notify information important for safety. Emergency calls is run as

- Non-stop service
- For each citizen
- Free of charge
- Covering the whole territory of the country
- For all telecommunications networks, and
- From all voice stations of telecommunications networks.

Our citizens are used to call for help this way, and with developing of mobile phoning the emergency calls are accessible for everybody and nearly elsewhere. Emergency calls are a service of the state, providing protection of basic human rights – protection of lives, health and property. Based on the information received from emergency calls, IRS bodies dispatch their activities, followed by response and intervention in the notified place of incident.

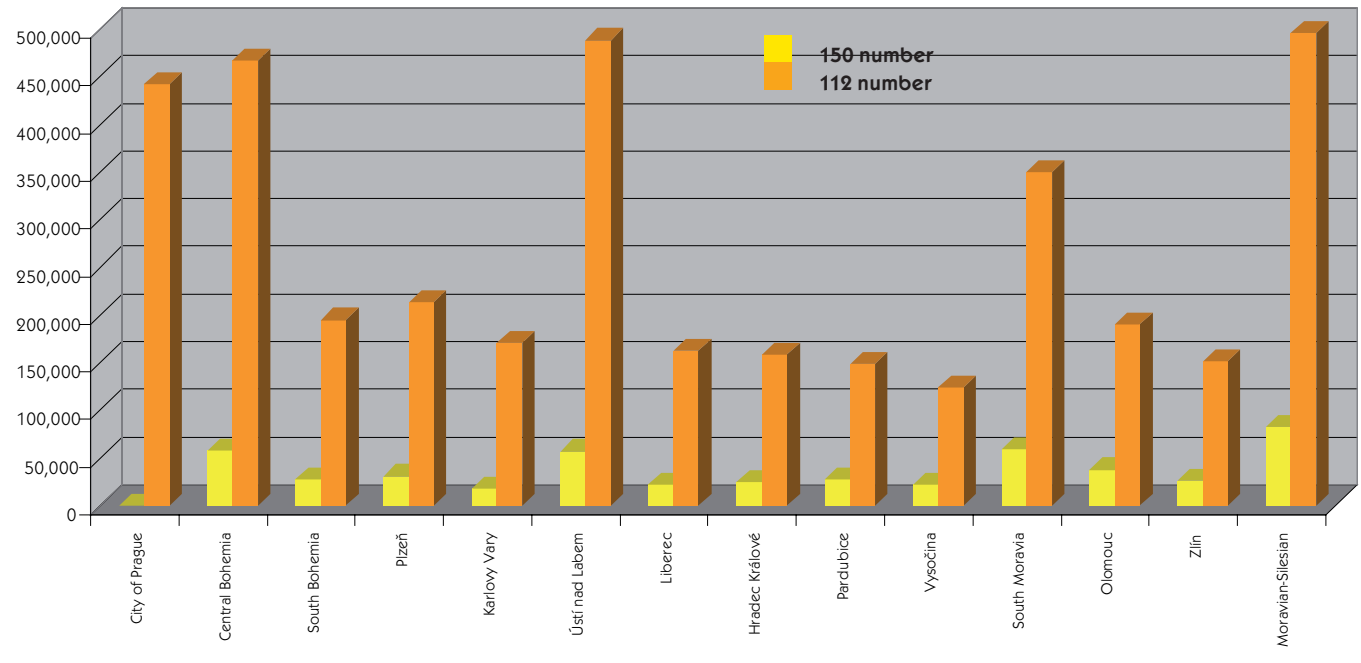
The Fire & Rescue Service of the Czech Republic receives emergency calls in the 150 National Emergency Call Number and in the 112 Single European Emergency Call Number. The Single Emergency Call Number 112 has been receiving national wide in fourteen 112 Call Centres, fully operated and equipped with modern communication technologies for receiving emergency calls. All emergency calls incoming to 112, emergency calls incoming to 150 from mobile phones (except Prague region), and emergency calls incoming to 150 from stabile phone stations in most of the country territory are receiving through these new technologies.

The Fire & Rescue Service of the Czech Republic was awarded for technical solution of receiving emergency calls by EENA (European Emergency Number Association) in February 2009 (see http://www.eena.org/view/en/Awards/officialpics.html)

Number of emergency calls in particular months

	To No. 150 outside Call Centres	To No. 150 in Call Centres	To No. 112 in Call Centres
January	10,534	37,365	337,008
February	8,154	38,217	325,342
March	9,657	46,528	335,306
April	10,348	39,377	304,224
May	10,943	40,827	296,537
June	11,067	43,803	293,874
July	10,896	42,242	308,195
August	11,239	44,333	309,634
September	10,479	39,852	302,478
October	10,357	41,633	312,654
November	9,610	38,368	300,799
December	10,540	40,576	330,247
Total	**123,824**	**493,121**	**3,756,298**

Number of emergency calls to 112 and 150 by regional Call Centres



Fires

Basic indicators

Type	Rate
Number of fires	20,946
Direct losses (CZK)	3,277,297,400
Salvaged values (CZK)	14,545,693,000
Fatalities	142
Injured people	1,109

In 2008, compared to 2007, number of fires dropped by 6.5 %, and fire damages increased by 51.8 %. Total of 350 major fire cases (with fire damages of CZK 1 million or more), i.e. 1.7 % of the total number, caused 75 % of the total sum of fire damages. In 2008, the number of fatalities was higher by 9.2 % and number of injured people higher by 8.4 %. Firefighters rescued 520 persons in fire operations, and other 6,160 persons evacuated.
This review indicates, that in 2008 some 57 fires occurred daily in the territory of the Czech Republic, with an average damage of CZK 9,000,000 (EUR 321,430).
Values salvaged by fire units were 4.4 times higher than the direct loss.

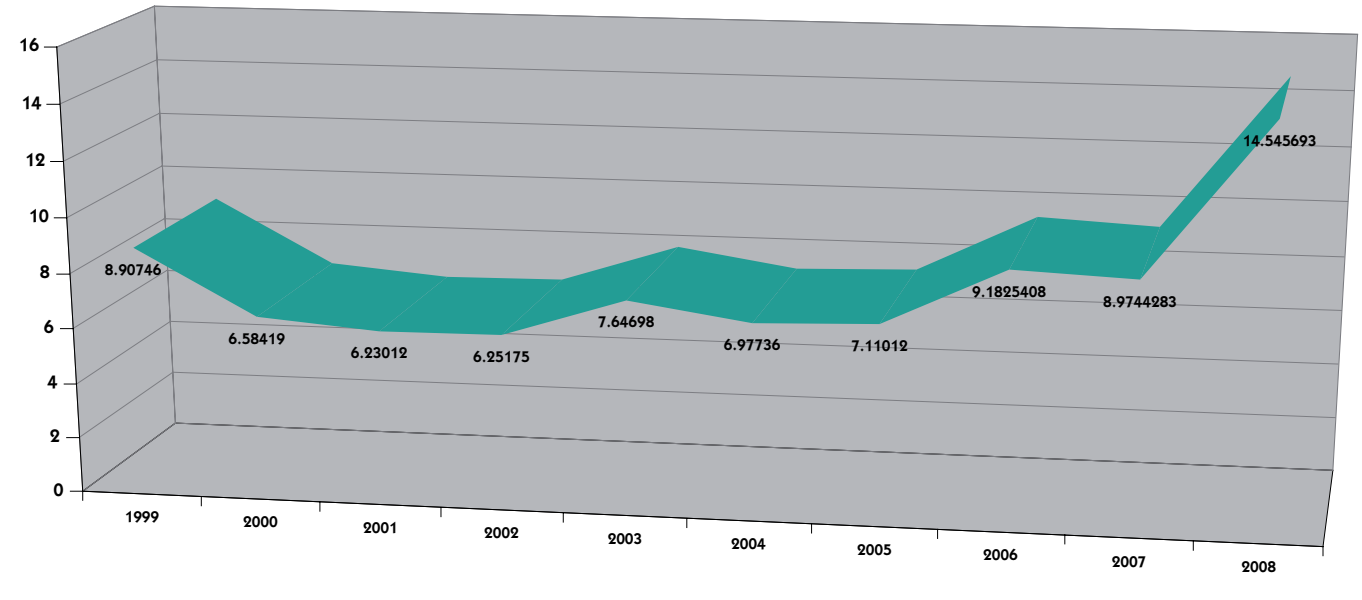
Fires - review

Year	Number of fires	Loss in CZK	Fatalities	Injured
1994	21,366	1,066,551,700	107	842
1995	18,565	988,895,200	109	904
1991 - 1995	**95,831**	**3,942,024,200**	**544**	**4,295**
1996	21,539	1,345,497,700	118	1,037
1997	21,540	1,229,951,200	135	1,026
1998	24,041	1,902,566,000	96	1,123
1999	20,857	2,088,610,700	105	934
2000	20,919	1,426,340,200	100	975
1996 - 2000	**108,896**	**7,992,965,800**	**554**	**5,095**
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
2001 - 2005	**106,728**	**10,926,876,000**	**614**	**4,767**
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

Values salvaged in fires

Year	Salvaged values in CZK
1994	4,646,800,000
1995	6,673,166,000
1991 - 1995	**26,554,734,000**
1996	8,418,267,000
1997	6,393,776,000
1998	6,925,493,000
1999	8,907,455,000
2000	6,584,192,000
1996 - 2000	**37,229,183,000**
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
2001 - 2005	**34,216,326,000**
2006	9,182,541,000
2007	8,974,428,000
2008	14,545,693,000

Values salvaged in fires (in bilion CZK)



Number of fatalities and injured in fires

Category	2004		2005		2006		2007		2008		Index %	
	D	I	D	I	D	I	D	I	D	I	D	I
Children up to 15 years	2	40	6	60	5	34	5	43	2	56	40	130
Persons 15 - 60 years	79	575	95	592	112	626	102	717	116	760	114	106
Persons over 60 years	45	93	35	103	26	53	23	60	23	66	100	110
Professional firefighters	0	147	2	98	0	137	0	115	0	144	0	125
Voluntary firefighters	0	63	1	61	1	69	0	88	1	83	x	94
Total	**126**	**918**	**139**	**914**	**144**	**919**	**130**	**1,023**	**142**	**1,109**	**109**	**108**

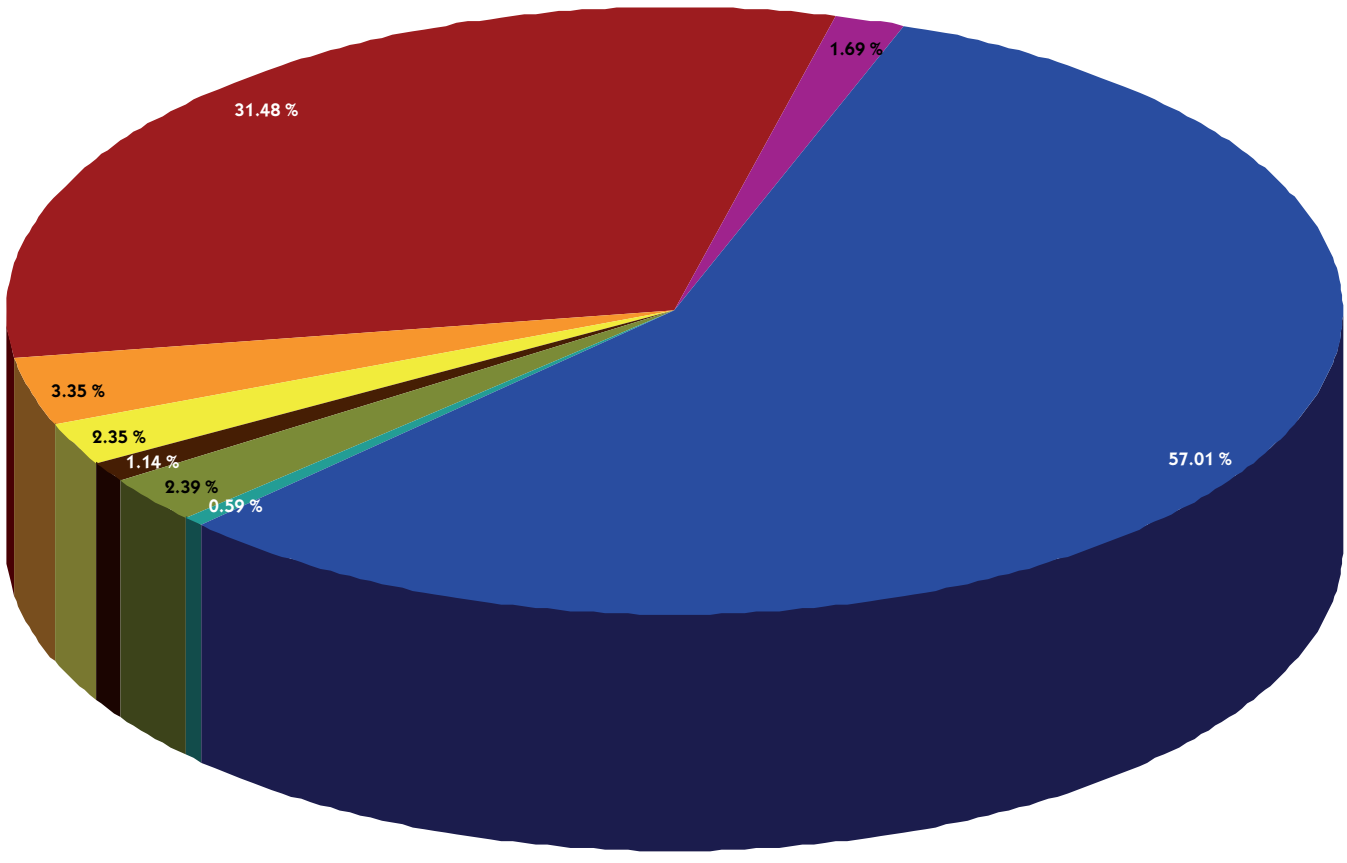
Number of fires and losses by place of origin

Building or property	Number	Index %	Loss in thous. CZK	Index %
Public buildings, buildings for transport and telecommunications	802	103	1,458,842.2	493
Apartments	2,030	94	105,540.5	84
Houses and dwellings	1,598	106	208,330.9	108
Buildings / halls for production and services	357	91	284,072.8	44
Energetic production buildings	65	83	138,299.5	300
Parking objects	112	97	141,230.5	274
Buildings for storage (except agricultural)	82	113	134,785.8	139
Buildings for agricultural products storage	77	97	99,668.0	289
Buildings for plant and animal production	62	102	35,380.8	60
Agricultural objects	31	115	17,454.8	196
Objects except buildings (without agricultural)	179	122	14.,181.1	44
Objects under construction / reconstruction	66	92	34,590.5	229
Provisional and special objects at buildings	598	93	45,826.8	76
Transport means and working machines	2,450	103	459,001.2	144
Agricultural areas and enviroment	993	137	41,050.3	244
Forests	470	58	3,131.5	19
Open air storage areas	2,990	92	8,292.1	20
Demolitions and dumps	5,405	95	28,807.6	66
Other	2,579	75	18,810.5	31

Fire losses by ownership type

Ownership type	2007		2008	
	Loss in mil. CZK	Part in %	Loss in mil. CZK	Part in %
State property	42.03	1.95	47.85	1.46
Cooperative property	104.75	4.85	85.15	2.6
Private and personal property	661.06	30.63	758.11	23.13
Foreign bodies and foreign citizens	12.04	0.56	15.98	0.49
Church	7.01	0.32	2.00	0.06
Incorporated, Limited Trading Companies	1,228.51	56.91	2,258.07	68.90
Confederations, Associations, Foundations, Corporations	14.51	0.67	11.41	0.35
Municipal property	38.35	1.78	84.05	2.56
Other	50.24	2.33	14.67	0.05

Fire loss by ownership type in 2004 – 2008 in total

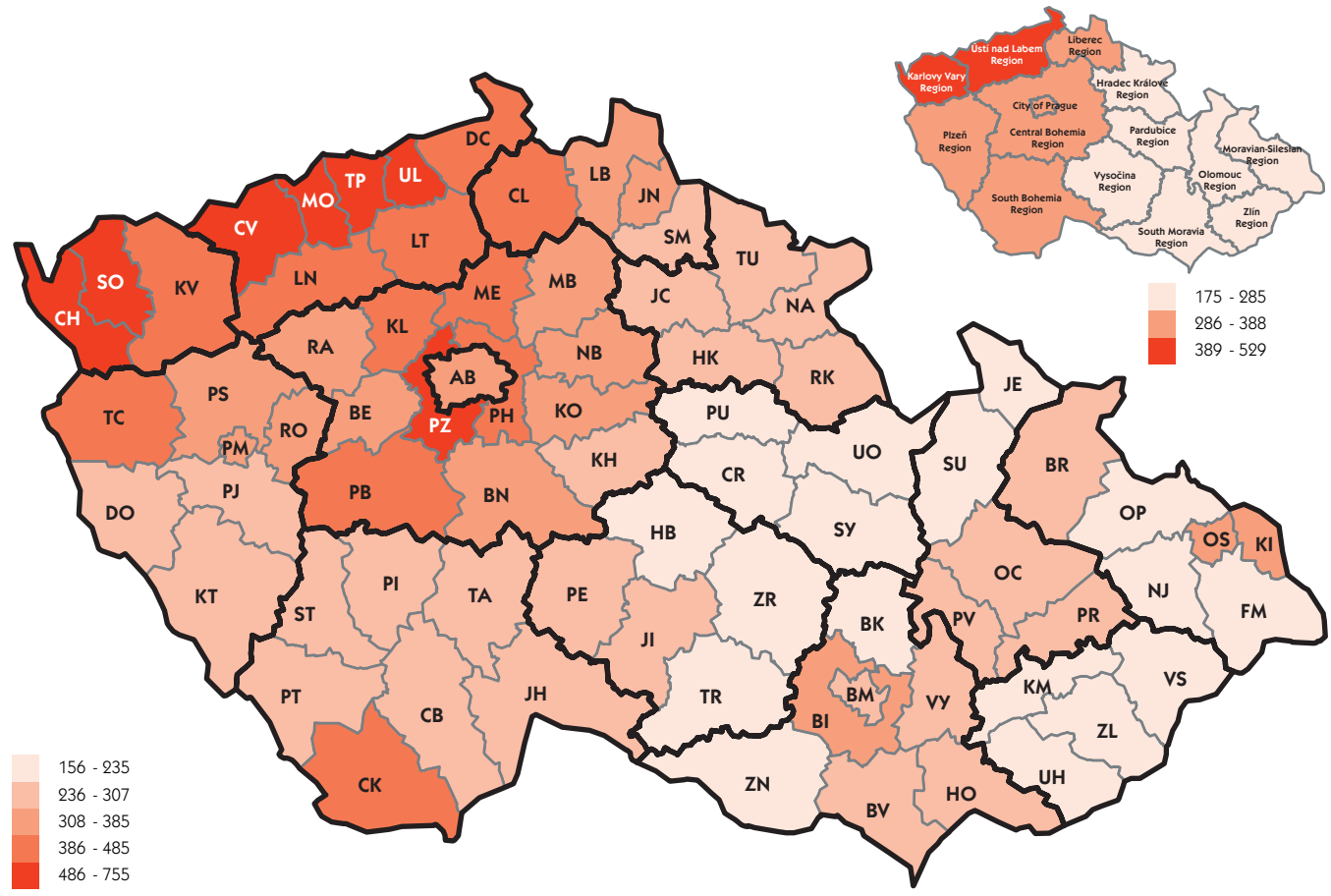


Fires by districts and regions

District (region)	Number of fires (not more inves-tigated in %)	Part in %	Index %	Number of fires per 1,000 inhibitans	Direct loss in thousands of CZK	Part in %	Salvaged values in thousands CZK	Part in %	Fatalities	Injured
City of Prague	**2,493 (54)**	**11.90**	**97**	**2.1,**	**1,440,001.50**	**43.94**	**1,897,213.00**	**13.04**	**11**	**126**
Benešov	222	1.06	99	2.4	23,637.00	0.72	71,939.00	0.49	2	21
Beroun	170	0.81	73	2.1	21,461.00	0.65	88,285.00	0.61	1	14
Kladno	384	1.83	79	2.5	34,006.00	1.04	123,989.00	0.85	1	12
Kolín	242	1.16	101	2.6	22,482.00	0.69	267,595.00	1.84	0	21
Kutná Hora	113	0.54	82	1.5	7,582.00	0.23	93,018.00	0.64	0	6
Mělník	321	1.53	93	3.3	33,598.00	1.03	107,004.00	0.74	2	12
Mladá Boleslav	271	1.29	96	2.2	127,275.00	3.88	4,571,526.00	31.43	1	12
Nymburk	201	0.96	101	2.3	15,612.00	0.48	54,592.00	0.38	0	15
Praha-východ	346	1.65	86	2.7	37,210.00	1.14	258,201.00	1.78	2	15
Praha-západ	391	1.87	126	3.7	28,492.00	0.87	240,651.00	1.65	3	18
Příbram	283	1.35	78	2.6	26,590.00	0.81	76,837.00	0.53	0	13
Rakovník	150	0.72	94	2.8	13,145.00	0.40	33,076.00	0.23	1	11
Central Bohemia	**3,094 (51)**	**14.77**	**92**	**2.6**	**391,090.00**	**11.94**	**5,986,713.00**	**41.17**	**13**	**170**
České Budějovice	370	1.77	104	2.0	52,343.90	1.60	194,334.00	1.34	3	12
Český Krumlov	125	0.60	74	2.0	8,156.00	0.25	17,744.50	0.12	4	5
Jindřichův Hradec	150	0.72	65	1.6	36,335.50	1.11	74,055.00	0.51	4	3
Písek	148	0.71	88	2.1	8,884.00	0.27	68,353.00	0.47	0	5
Prachatice	93	0.44	99	1.8	5,764.50	0.18	20,297.00	0.14	2	9
Strakonice	131	0.63	102	1.9	28,613.00	0.87	53,051.00	0.36	1	4
Tábor	196	0.94	81	1.9	6,528.40	0.20	123,187.00	0.85	0	6
South Bohemia	**1,213 (52)**	**5.81**	**87**	**1.9**	**146,625.30**	**4.48**	**551,021.50**	**3.79**	**14**	**44**
Domažlice	127	0.61	109	2.1	5,207.50	0.16	53,210.00	0.37	2	6
Klatovy	127	0.61	78	1.4	8,880.30	0.27	43,348.50	0.30	1	7
Plzeň-jih	103	0.49	73	1.7	4,786.30	0.15	36,698.00	0.25	0	2
Plzeň-město	422	2.01	85	2.3	37,699.20	1.15	117,352.00	0.81	1	13
Plzeň-sever	209	1.00	100	2.9	70,339.30	2.15	126,530.00	0.87	1	8
Rokycany	108	0.52	92	2.3	14,617.00	0.45	25,280.00	0.17	0	6
Tachov	156	0.74	95	3.0	14,439.80	0.44	34,736.00	0.24	0	7
Plzeň	**1,252 (49)**	**5.98**	**89**	**2.2**	**155,969.40**	**4.77**	**437,154.50**	**3.01**	**5**	**49**
Cheb	229	1.09	96	2.4	18,547.70	0.57	21,266.80	0.15	1	19
Karlovy Vary	281	1.34	85	2.4	27,087.00	0.83	19,390.00	0.13	1	10
Sokolov	283	1.35	88	3.0	7,271.50	0.22	21,698.00	0.15	3	9
Karlovy Vary	**793 (67)**	**3.78**	**89**	**2.6**	**52,906.20**	**1.62**	**62,354.80**	**0.43**	**5**	**38**
Děčín	340	1.62	99	2.5	43,922.50	1.34	40,780.00	0.28	2	10
Chomutov	317	1.51	83	2.5	14,069.70	0.43	25,955.00	0.18	2	14
Litoměřice	324	1.55	105	2.8	15,077.20	0.46	33,095.00	0.23	2	7
Louny	264	1.26	100	3.0	11,675.10	0.36	20,678.00	0.14	1	4
Most	456	2.18	79	3.9	12,607.00	0.38	32,818.00	0.23	2	16
Teplice	467	2.23	104	3.6	31,224.50	0.95	135,180.50	0.93	1	8
Ústí nad Labem	384	1.83	115	3.2	19,184.00	0.59	14,273.00	0.10	0	24
Ústí nad Labem	**2,552 (69)**	**12.18**	**96**	**3.1**	**147,760.00**	**4.51**	**302,779.50**	**2.09**	**10**	**83**
Česká Lípa	261	1.25	77	2.5	45,107.50	1.38	55,850.50	0.38	0	20
Jablonec nad Nisou	179	0.85	96	2.0	15,078.30	0.46	94,336.00	0.65	1	16
Liberec	342	1.63	96	2.1	27,234.10	0.83	66,249.00	0.46	1	26
Semily	127	0.61	70	1.7	6,472.00	0.20	40,650.00	0.28	1	12
Liberec	**909 (56)**	**4.34**	**86**	**2.1**	**93,891.90**	**2.87**	**257,085.50**	**1.77**	**3**	**74**
Hradec Králové	304	1.45	105	1.9	33,957.00	1.04	99,922.50	0.69	4	30
Jičín	140	0.67	104	1.8	14,942.80	0.46	124,213.00	0.85	0	7
Náchod	205	0.98	114	1.8	39,907.10	1.22	144,597.00	0.99	3	16
Rychnov nad Kněžnou	123	0.59	94	1.6	14,682.60	0.45	113,903.00	0.78	0	8
Trutnov	187	0.89	85	1.6	8,612.50	0.26	63,781.00	0.44	4	7
Hradec Králové	**959 (46)**	**4.58**	**101**	**1.7**	**112,102.00**	**3.43**	**546,416.50**	**3.75**	**11**	**68**
Chrudim	139	0.66	89	1.3	11,752.20	0.36	240,311.00	1.65	1	14
Pardubice	245	1.17	106	1.5	52,384.90	1.60	858,272.30	5.90	0	7
Svitavy	144	0.69	108	1.4	13,108.50	0.40	16,090.00	0.11	2	13
Ústí nad Orlicí	183	0.87	102	1.3	21,948.30	0.67	115,148.00	0.79	1	16
Pardubice	**711 (47)**	**3.39**	**102**	**1.4**	**99,193.90**	**3.03**	**1,229,821.30**	**8.45**	**4**	**50**
Havlíčkův Brod	130	0.62	98	1.4	21,562.10	0.66	86,539.00	0.59	1	7
Jihlava	201	0.96	83	1.8	33,153.00	1.01	64,577.00	0.44	0	8
Pelhřimov	130	0.62	99	1.8	29,897.70	0.91	139,587.00	0.96	1	8
Třebíč	148	0.71	94	1.3	25,704.40	0.78	83,403.00	0.57	2	17
Žďár nad Sázavou	171	0.82	95	1.4	13,400.00	0.41	84,324.30	0.58	4	15
Vysočina	**780 (34)**	**3.73**	**93**	**1.5**	**123,717.20**	**3.77**	**458,430.30**	**3.14**	**8**	**55**

District (region)	Number of fires (not more investi-gated in %)	Part in %	Index %	Number of fires per 1,000 inhibitans	Direct loss in thousands of CZK	Part in %	Salvaged values in thousands CZK	Part in %	Fatalities	Injured
Blansko	148	0.71	88	1.4	32,038.50	0.98	148,658.00	1.02	1	18
Brno-město	577	2.75	85	1.6	69,982.40	2.14	225,816.80	1.55	6	41
Brno-venkov	399	1.90	92	2.0	31,978.10	0.98	135,125.40	0.93	1	19
Břeclav	186	0.89	88	1.6	11,367.10	0.35	40,101.00	0.28	3	3
Hodonín	215	1.03	96	1.4	16,370.40	0.50	169,561.00	1.17	4	23
Vyškov	160	0.76	98	1.8	32,077.90	0.98	48,039.30	0.33	4	22
Znojmo	154	0.74	99	1.4	10,662.50	0.33	15,867.00	0.11	2	2
South-Moravian	**1,839 (51)**	**8.78**	**90**	**1.6**	**204 476.90**	**6.26**	**783,168.50**	**5.39**	**21**	**128**
Jeseník	69	0.33	121	1.7	3,036.00	0.09	22,100.00	0.15	1	3
Olomouc	433	2.07	95	1.9	36,104.20	1.10	811,006.00	5.58	3	14
Prostějov	212	1.01	123	1.9	14,033.00	0.43	39,174.00	0.27	1	14
Přerov	211	1.01	87	1.6	8,703.90	0.27	161,255.00	1.11	2	11
Šumperk	162	0.77	75	1.3	28,728.50	0.88	37,753.00	0.26	1	1
Olomouc	**1,087 (53)**	**5.19**	**95**	**1.8**	**90,605.60**	**2.77**	**1,071,288.00**	**7.37**	**8**	**43**
Kroměříž	124	0.59	83	1.2	8,066.00	0.25	40,575.00	0.28	0	11
Uherské Hradiště	156	0.74	93	1.1	24,093.00	0.74	83,333.00	0.57	2	13
Vsetín	160	0.76	85	1.1	8,716.50	0.27	42,437.00	0.29	1	11
Zlín	212	1.01	98	1.1	18,237.00	0.56	54,175.00	0.37	1	21
Zlín	**652 (46)**	**3.10**	**90**	**1.1**	**59,112.50**	**1.82**	**220,520.00**	**1.51**	**4**	**56**
Bruntál	189	0.90	99	1.9	24,819.80	0.76	406,199.50	2.79	0	19
Frýdek-Místek	385	1.84	99	1.8	36,584.00	1.12	86,481.00	0.59	8	27
Karviná	799	3.81	114	2.9	26,855.70	0.82	61,203.50	0.42	5	29
Nový Jičín	226	1.08	91	1.5	32,948.50	1.01	78,341.00	0.54	2	16
Opava	233	1.11	95	1.3	10,062.20	0.31	24,759.00	0.17	3	9
Ostrava	780	3.72	90	2.3	28,574.80	0.87	84,743.00	0.58	7	25
Moravian-Silesian	**2,612 (52)**	**12.46**	**99**	**2.1**	**159,845.00**	**4.89**	**741,727.00**	**5.09**	**25**	**125**
Czech Republic	**20,946 (53)**	**100.00**	**94**	**2.0**	**3,277,297.40**	**100.00**	**14,545,693.40**	**100.00**	**142**	**1,109**

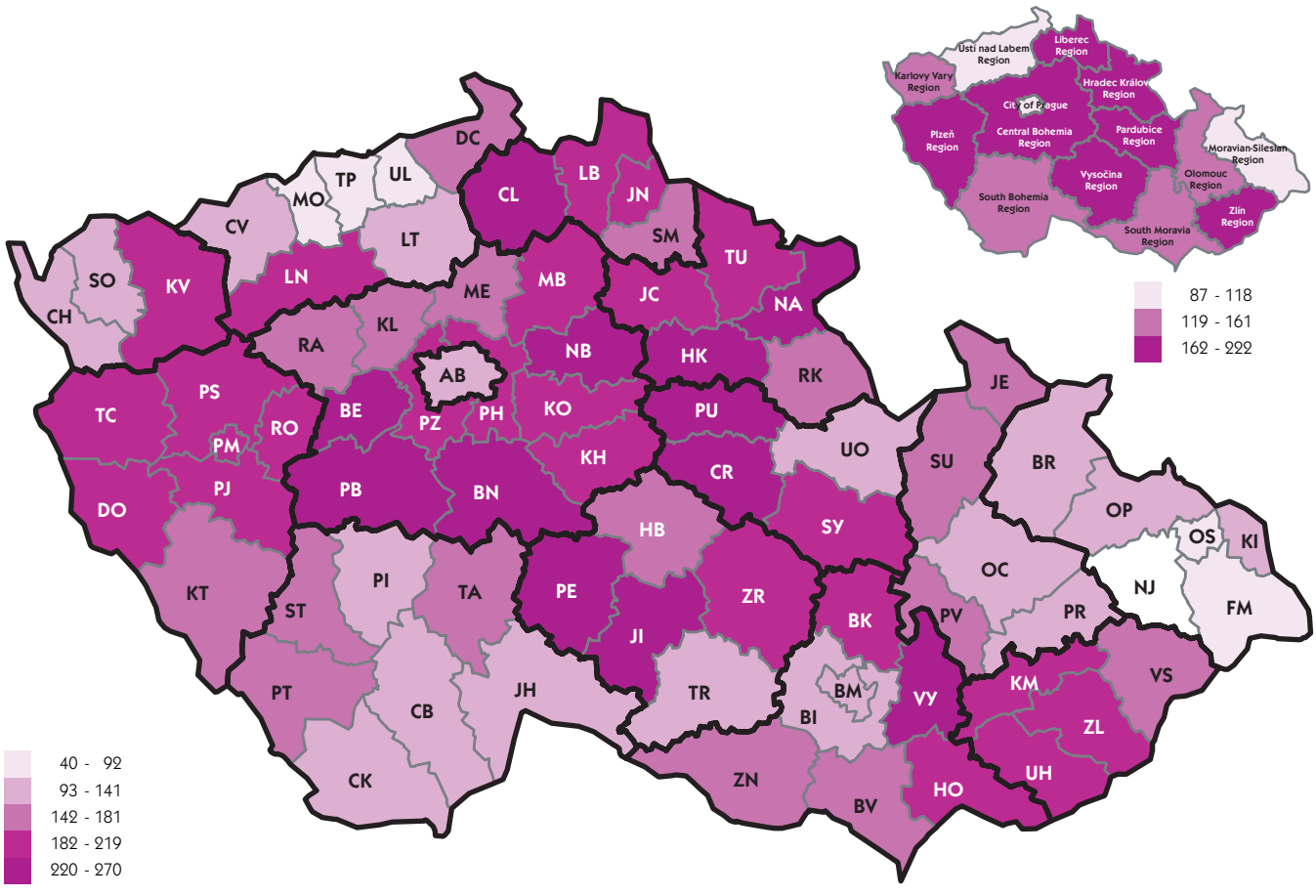
Number of fires in 1994 – 2008 (per 10,000 inhabitants)



Fires - survey in branches

Economy branch	Number of fires	Part in %	Index %	Direct loss in thous. CZK	Part in %	Index %	Fatalities	Injured
Agriculture	779	3.72	**122**	226,079.20	6.90	**156**	2	63
Forestry	504	2.41	**60**	14,861.60	0.45	**62**	3	10
Mineral mining	24	0.11	**133**	76,330.00	2.33	**409**	1	4
Processing industry	568	2.71	**93**	429,548.90	13.11	**54**	1	60
Electricity, gas, water production/distribution	129	0.62	**103**	21,979.30	0.67	**56**	2	6
Building industry	116	0.55	**87**	43,287.30	1.32	**68**	3	10
Trade, goods repairs	165	0.79	**86**	329,661.20	10.06	**208**	0	17
Lodging, accommodation	359	1.71	**114**	123,423.00	3.77	**200**	6	65
Transport	2,284	10.90	**110**	421,730.60	12.87	**139**	42	182
Posts + telecommunications	19	0.09	**100**	1,742.10	0.05	**174**	0	0
Banking + insurance industry	5	0.02	**42**	1,927.20	0.06	**240**	0	0
Research, company services, real estates	383	1.83	**84**	119,386.70	3.64	**118**	3	94
Public administration, security	35	0.17	**83**	3,948.00	0.12	**219**	0	2
Education	50	0.24	**111**	4,212.80	0.13	**134**	0	17
Public health + social activities	34	0.16	**89**	11,698.50	0.36	**195**	0	5
Other public and personal services	1,799	8.59	**108**	1,095,756.70	33.43	**959**	12	64
Households	2,518	12.02	**95**	350,350.80	10.69	**104**	67	505
Unclassified and other	11,175	53.36	**89**	1,373.50	0.04	**9**	0	5
Total	**20,946**	**100.00**	**94**	**3,277,297.40**	**100.00**	**152**	**142**	**1,109**

Cooperation of fire units with Medical Rescue Service in 2004 – 2008 (per 1,000 interventions)



Fires by causes and activities igniting fire

Cause	Number of fires	Part in %	Index %	Direct loss in thous. CZK	Part in %	Fatalities	Injured
Deliberate ignition	1,597	7.62	111	383,783.10	11.71	12	115
Suicidal intentions	28	0.13	113	8,295.30	0.25	14	15
Children up to 15 years	269	1.28	96	25,484.20	0.78	1	34
Smoking	832	3.97	87	40,474.20	1.23	11	74
Setting fires, grass burning	293	1.40	78	11,297.70	0.34	2	16
Incorrect manipulation with heaters	146	0.70	101	18,634.60	0.57	2	51
Flammable material near heaters	77	0.37	120	4,077.50	0.12	2	15
Use of flammable liquids or gases	44	0.21	157	10,181.80	0.31	1	30
Use of naked flame	316	1.51	111	55,357.80	1.69	8	82
Glowing ashes handling	104	0.50	106	6,968.20	0.21	0	5
Welding, cutting, defrosting	134	0.64	102	60,084.30	1.83	1	24
Neglect of safety regulations	409	1.95	105	177,675.10	5.42	3	106
Negligence, error, incorrect control	545	2.60	132	31,260.10	0.95	10	61
Negligence in total	2,900	13.85	101	416,011.30	12.68	40	464
Improper construction of chimney	68	0.32	101	19,755.50	0.60	0	6
Walled-up timber in chimney	45	0.21	102	8,582.00	0.26	0	2
Gaps in chimney	45	0.21	89	12,718.00	0.39	1	6
Sparks from chimney, soot ignition	114	0.54	112	4,300.00	0.13	0	10
Chimneys in total	272	1.28	103	45,355.50	1.38	1	24
Technical failure of heaters	38	0.18	69	10,357.00	0.32	0	3
Bad conditions of heater / smoke-flue	22	0.11	69	5,299.50	0.16	0	6
Incorrect place / installation of heater	54	0.26	76	7,727.00	0.24	0	2
Other failures of heaters	16	0.08	320	9,554.00	0.29	0	0
Heaters in total	130	0.63	80	32,937.50	1.01	0	11
Technical failures	2,249	10.74	102	592,356.80	18.07	5	147
Incorrect installation	20	0.10	118	2,738.00	0.08	0	4
Incorrect maintenance	13	0.06	118	2,639.50	0.08	0	3
Glowing materials, products	57	0.27	119	11,762.30	0.36	0	0
Alien material in machine	80	0.38	174	27,527.40	0.84	0	11
Discharge of static electricity	3	0.01	37	640.00	0.02	0	1
Sparks from exhaust, brakes	33	0.16	87	3,498.90	0.11	0	0
Friction, overheating	85	0.41	89	61,188.00	1.87	0	5
Other changes of operational parameters	408	1.95	93	54,565.40	1.66	1	15
Technical failures in total	2,948	14.08	101	756,916.30	23.09	6	186
Self-ignition of agricultural products	22	0.11	96	3,475.90	0.11	0	2
Coal self-ignition	57	0.27	63	5,919.00	0.18	0	2
Oil and grease self-ignition	2	0.01	33	150.00	0.00	0	0
Self-ignition of chemicals	9	0.04	82	3,167.40	0.10	0	1
Self-ignition of chemical products	19	0.09	127	12,971.00	0.40	0	1
Other self-ignition (e.g. waste)	26	0.12	70	10,274.00	0.31	0	2
Self-ignition in total	135	0.64	74	35,957.30	1.10	0	8
Gas explosion	5	0.02	36	5,115.00	0.16	0	4
Flammable liquids explosion	3	0.01	x	106.00	0.00	0	0
Dust explosion	1	0.00	x	20.00	0.00	0	0
Explosion of explosives	0	0.00	0	0.00	0.00	0	0
Explosions of pressure vessels, boilers	1	0.00	x	40.00	0.00	0	0
Explosions in total	10	0.03	72	5,281.00	0.16	0	4
Flammable substances handling	8	0.04	50	495.50	0.01	0	4
Lightning/buildings with lightning conductors	9	0.04	69	1,385.00	0.04	0	1
Lightning/buildings without lightning coductors	32	0.15	89	10,455.00	0.32	0	1
Lightning - other	22	0.11	48	630.50	0.02	0	0
Natural disasters	4	0.02	57	165.00	0.01	0	0
Traffic accidents	195	0.93	96	25,710.00	0.78	35	120
Military exercise, fireworks	12	0.06	133	129.30	0.00	0	0
Exceptional causes in total	274	1.31	87	38,474.80	1.17	35	122
Other causes	32	0.16	127	3,759.00	0.11	0	4
No futher investigation	11,175	53.35	90	0.00	0.00	0	0
Unsolved, still under investigation	1,168	5.58	83	1,524,546.50	46.52	33	118
Causes in total	**20,946**	**100.00**	**94**	**3,277,297.40**	**100.00**	**142**	**1,109**

Fires without losses, fatalities or injured person (mainly fires in nature or fires of waste) are in category "No further investigation".

Portion of fires with loss of CZK 1 million and higher

Year	Number			Losses in thousands of CZK		
	CR in total	Major fire cases	Part in %	CR in total	Major fire cases	Part in %
2004	21,191	239	1.1	1,669,305.14	1,097,900.00,	65.8
2005	20,183	257	1.3	1,634,371.14	980,622.00	61.0
2006	20,262	297	1.5	1,933,991.70	1,335,223.20	69.0
2007	22,394	305	1.4	2,158,494.20	1,556,274.10	72.1
2008	20,946	350	1.7	3,277,297.40	2,632,324.80	80.3

Major fire cases with loss of CZK 10 million and higher

City of Prague

February 20th • **The Palladium shopping mall**, Prague 1. *Cause*: technical failure of wiring. *Damage*: 40 million CZK. Approx. 2,800 was evacuated.

April 27th • **AUTO-EXNER-AUDI Car Showroom**, Prague 9–Dolní Počernice. *Cause*: technical failure of a diagnostic device. *Damage*: 70 million CZK.

June 7th • **Pathology ward in the Thomayer Hospital**, Prague 4-Krč. *Cause*: technical failure of wiring in a ventilator. *Damage*: 10 million CZK.

June 17th • **Articulated bus** of the Dopravní podnik hl. m. Prahy, a.s., Prague 10-Hostivař. *Cause*: technical failure of wiring in an engine space. *Damage*: 10 million CZK.

August 14th • **Workshop and a bus** of the Dopravní podnik hl. m. Prahy, a.s., Prague 17-Řepy. *Cause*: technical failure of wiring. *Damage*: 60 million CZK.

September 1st • **Warehouse of vacuum cleaners**, the FISPO CLEAN Company, Ltd., Prague 4 - Kunratice. *Cause*: not found. *Damage*: 10 million CZK. Injured: two firefighters.

October 16th • **Western wing of the Industrial Palace**, Prague 7–Holešovice. *Cause*: carelessness of using an electric consumer. *Damage*: 1,000 million CZK. Injured: two firefighters.

November 6th • **The SAPARIA open-air market**, Prague 4-Libuš. *Cause*: under investigation. *Damage*: 130 million CZK. Injured: five firefighters.

Central Bohemia Region

February 5th • **Stone crushing plant**, Ledčice, Mělník district. *Cause*: carelessness while flame cutting. *Damage*: 20.3 million CZK.

May 28th • **DELTA bake house**, PLC, Kladno. *Cause*: carelessness while casting of asphalt. *Damage*: 20 million CZK. Injured: one person.

September 13th • **Production hall of the AKUMA**, PCL Company Mladá Boleslav. *Cause*: neglect of safety rules. *Damage*: 100 million CZK.

October 10th • **McDonald's Ltd. restaurant**, Čestlice, Praha-východ district. *Cause*: technical failure of a thermostat on the fritting machine. *Damage*: 15 million CZK.

South Bohemian Region

July 27th • **Degreasing line hall** of the ABL – Technic Bohemia Ltd. company, Strakonice, *Cause*: not found. *Damage*: 17 million CZK.

October 16th • **Saw mill premises**, Kardašova Řečice, Jindřichův Hradec district. *Cause*: not found. *Damage*: 24.2 million CZK.

Plzeň Region

January 6th • **Empty store and containers, trucks and semi-trailers** of the LODSPEED PLC, Nýřany, Plzeň-sever district. *Cause*: arson. *Damage*: 46.9 million CZK.

September 30th • **Blasting booth** of the MOVO Ltd. Company, Plzeň. *Cause*: carelessness while welding. *Damage*: 12 million CZK.

Karlovy Vary Region

September 8th • **Family house**, Karlovy Vary–Dalovice. *Cause*: under investigation. *Damage*: 15 million CZK. Injured: one firefighter.

Ústí nad Labem Region

February 14th • **Driving station of a belt transport**, of the Severočeské doly PLC, the Bílina pit, Teplice district. *Cause*: technical failure – friction and overheating. *Damage*: 20 million CZK.

April 20th • **Spill station of a belt transport**, Tušimice, Chomutov district. *Cause*: friction of rollers. *Damage*: 25 million CZK.

Liberec Region

December 12th • **High-capacity hayloft** of the Czech Land Fund, Heřmanice, Česká Lípa district. *Cause*: under investigation. *Damage*: 11 million CZK.

December 24th • **Paint store of the E.P.S. PLC company, and adjoined the LÍPA vehicles second hand**, Česká Lípa. *Cause*: under investigation. *Damage*: 20 million CZK. Injured: one firefighter.

Hradec Králové Region

June 22nd • **Hayloft** of the Agriculture Cooperative, Všestary–Rozběřice, Hradec Králové district. *Cause*: not found. *Damage*: 14.2 million CZK.

September 9th • **High-capacity hayloft** of the AGRO Ltd., Jaroměř, Náchod district. *Cause*: under investigation. *Damage*: 24 million CZK.

Pardubice Region

June 24th • **Hall of a former dairy works, and adjoining stores**, Černá za Bory, Pardubice district. *Cause*: carelessness while flame cutting. *Damage*: 12.6 million CZK. Injured: one person.

July 25th • **Painting and welding workshops of the metal doorframe production** of the MONTKOV Ltd. Company, Vyšehněvice, Pardubice district. *Cause*: technical failure of a suppressor in a fluorescent luminaire. *Damage*: 12.3 million CZK.

Vysočina Region

January 10th • **Roof of a car parts storehouse** of the HUPERZ CZ Ltd., Kamenice nad Lipou, Pelhřimov district. *Cause*: not found. *Damage*: 20.5 million CZK. Injured: one firefighter.

April 22nd • **Paper storehouse** of the APOLY TRADE Ltd, Přibyslav-Ronov nad Sázavou, Havlíčkův Brod district. *Cause*: not found. *Damage*: 12.7 million CZK.

December 12th • **Raw garages with lorries and cars**, Jemnice, Třebíč district. *Cause*: arson. *Damage*: 15.6 million CZK.

South Moravia Region

January 9th • **Pressing shop of plastics** of the LETOPLAST Ltd., Letovice, Blansko district. *Cause*: carelessness – ignition from sparkles of an angle-grinding machine. *Damage*: 15 million CZK.

May 12th • **Production hall of construction products** of the FEROBET company, Rusínov, Vyškov district. *Cause*: improper construction of chimney. *Damage*: 13 million CZK. Injured: one firefighter.

May 25th • **Lodging house**, Brno-Líšeň. *Cause*: arson. *Damage*: 13.1 million CZK. Casualties: three people. Injured: four people.

Olomouc Region

February 27th • **Engine room of a chair lift**, Loučná nad Desnou, Šumperk district. *Cause*: not found. *Damage*: 14.5 million CZK.

Moravian-Silesian Region

July 4th • **Joinery workshop**, Čeladná, Frýdek-Místek district. *Cause*: not found. *Damage*: 10 million CZK. Injured: one person.

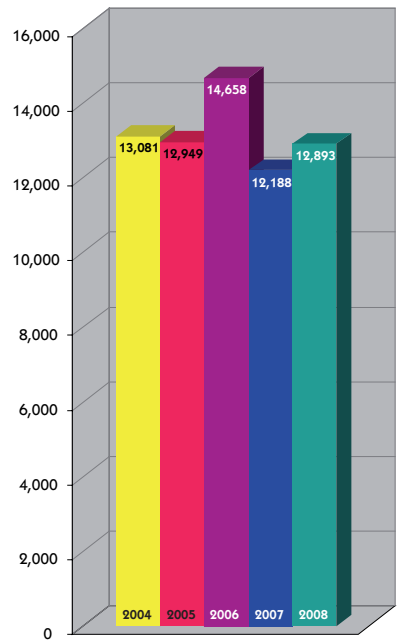
August 3rd • **Hotel under construction** in HEINpark, Odry–Tošovice, Nový Jičín district. *Cause*: not found. *Damage*: 20 million CZK.

Prevention

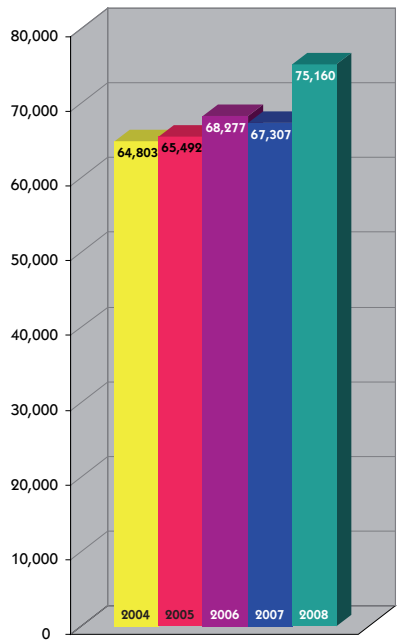
Survey of fire prevention of FRS CR

			2004	2005	2006	2007	2008
Fire risk evaluation		Supplied	114	109	109	94	132
		Approved	58	54	64	51	82
		All approved	435	461	480	478	517
Inspections	Companies and enterpreneurs	Complex inspections	1,159	1,463	1,398	1,372	1,456
		Thematic inspections	6,953	7,072	8,731	6,469	7,014
		Checking supervision	3,664	3,462	3,964	3,747	3,873
	Persons	Complex inspections	2	1	6	0	2
		Thematic inspections	84	25	55	16	28
		Checking supervision	70	19	22	9	22
	Municipalities	Inspections	612	668	426	521	387
	Under inspection of other body	Inspections	418	128	56	54	39
Administrative decisions	On executive from use	Number	10	22	17	22	12
	On ban of business	Number	2	1	15	14	8
	On cease of activity	Number	0	0	0	0	0
	On proper inclusion in	Number	6	14	2	4	3
	On scope and provision of fire protection documents	Number	3	0	0	2	1
	To fire risk evaluation	Number	100	96	122	76	105
	On fine to companies and enterpreneurs	Number	75	66	83	143	233
		CZK	1,334,000	1,447,000	3,039,000	3,211,500	5,854,500
	On offences (ordering proceedings inclusive)	Number	38	85	51	34	59
		CZK	60,000	123,000	124,000	65,500	220,500
	In auto remedy frame	Number	4	5	1	3	1
	Other decisions	Number	46	98	51	116	103
Coupon fines	Coupon fines being laid on	Number	1,278	1,281	1,103	1,193	1,080
		CZK	601,050	572,800	513,300	556,700	442,300
Building prevention	Reviews issued	Number	64,803	65,492	68,277	67,307	75,160
	Territorial and building proceedings	Number of invitations	23,867	32,797	32,073	21,958	28,084
		Number attendance	7,726	7,606	6,911	3,556	3,594
	Commission proceedings	Number of invitations	43,345	42,108	37,872	33,937	31,891
		Number of attendance	33,510	33,584	29,160	25,797	26,340
	Other cooperation with building authorities	Number of applications executed	1,644	1,448	1,236	1,073	1,062
Other activities	Applications and attendance executed	Number	2,900	2,712	3,086	3,166	3,361
Investigation of fire causes	Fire reports	Number	10,460	9,771	9,798	9,407	9,623
	Fire technical opinions	Number	450	571	436	483	511

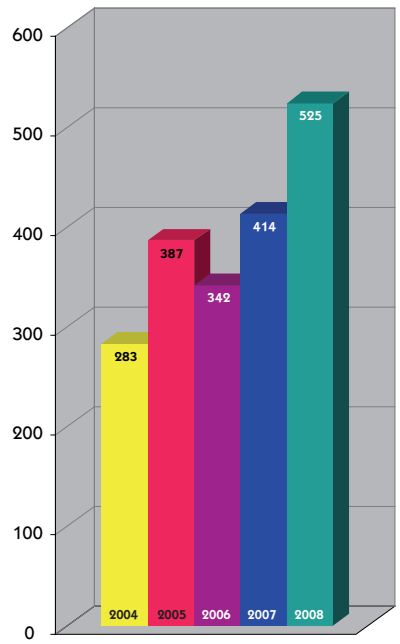
Number of inspections performed by State Fire Supervision bodies



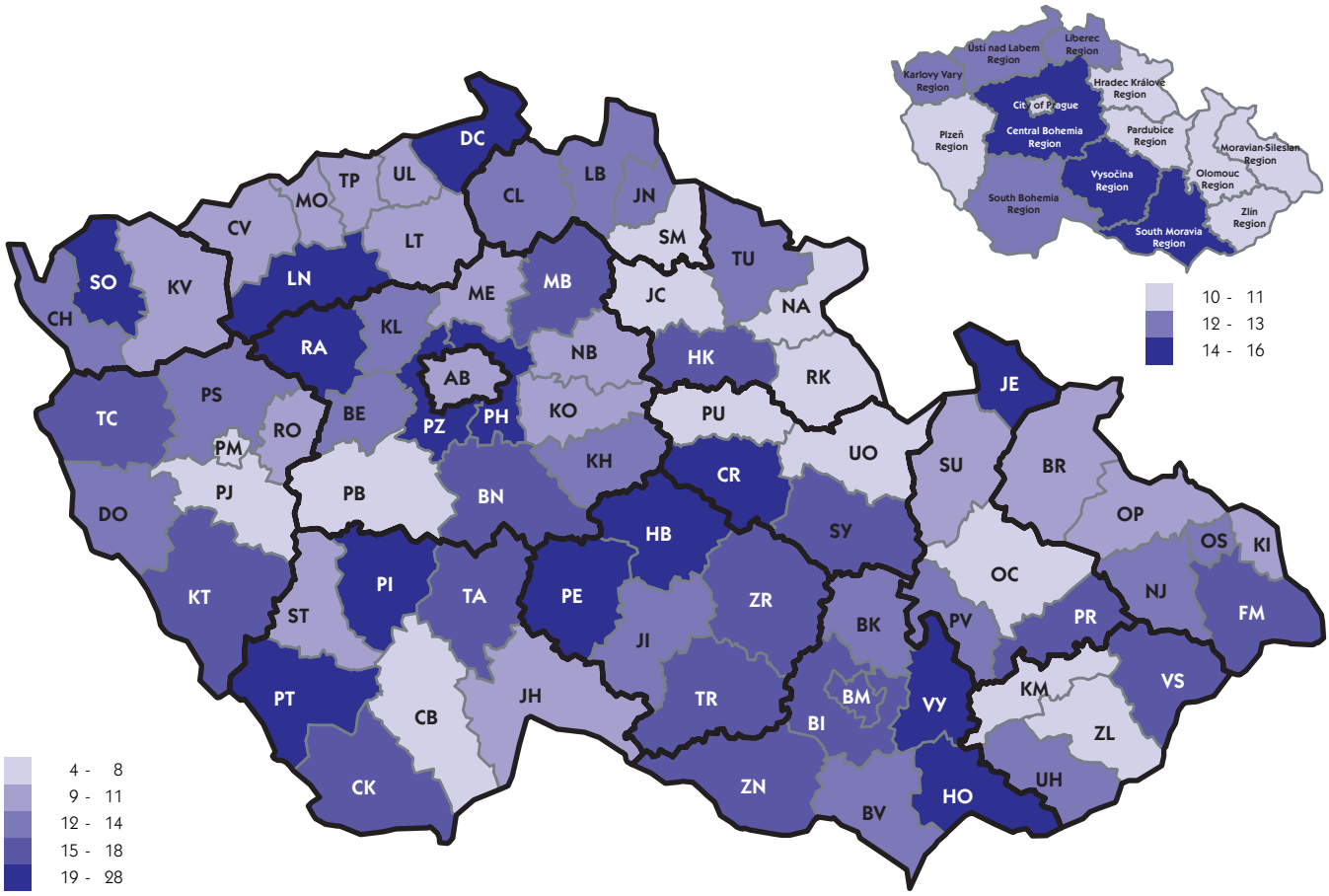
Number of building prevention reviews issued by State Fire Supervision bodies



Number of administrative decisions issued by State Fire Supervision bodies



People died in fires in 1999 – 2008 (number of died per 100,000 inhabitants)



Fires - types of conclusion

Type of conclusion		Number of fires	Part in %	Index %
Unclassified, non-monitored		14,086	67.25	93
Regional FRS concluded as:	Offence in regular proceedings	38	0.18	190
	Offence in coupon proceedings	738	3.52	96
	Offence in ordering proceedings	39	0.19	150
	Other administrative tort	7	0.03	45
Settled on fire site		880	4.20	91
Postponed, stopped, other type of regional FRS or Czech Police		3,753	17.92	98
Concluded by court		25	0.12	88
Still investigated by the Czech Police		1,380	6.59	92
Total		**20,946**	**100.00**	**94**

Function of fire safety equipment in fires

Equipment type	Automatic detection equipment		Fixed extinguishing system		Equipment for sparks detection and extinguishing, equipment for combustible gases and vapours detection	
	Number of fires	Loss in thous. CZK	Number of fires	Loss in thous. CZK	Number of fires	Loss in thous. CZK
Equipment installed outside fire origin area	26	99,426.6	15	45,035.5	12	41,244.5
Devices in fire origin area did not work or had not been used	10	21,093.2	9	192.0	0	0.0
Devices in fire area did not meet the expectations	0	0.0	2	240.0	1	700.0
Devices in fire area met the expectations	97	1,184,144.0	28	6,980.7	9	488.0

Survey of selected data from FRS CR activities

			2006	2007	2008
Prevention and education activities					
Preventive & educative activities	FRS CR activity	Articles in press / Press releases	11,223/4,334	14,929/4,403	16,876/4,385
		TVs and broadcast	4,211	4,509	4,100
		Educative and informatory / from that in schools	4,369/2,694	4,204/2,727	3,994/2,766
		Published ads and informative materials	228	539	393
	In cooperation with other bodies		802	925	889
	Courses for teachers on population protection in emergencies	Number of courses / number of trained	142/2,079	101/1,530	165/1,186
Section for prevention and civil emergency preparedness					
Prevention of major accidents	Deliverance to documents on prevention of major accidents	Enterpreneurs A[1)]	23	48	37
		Enterpreneurs B[1)]	30	64	74
	Inspections of prevention of major accidents	Enterpreneurs A[1)]	32	30	48
		Enterpreneurs B[1)]	54	101	118
Education (population protection and emergency management)					
Activities organized by Regional FRSs for	Municipalities	No. of invited municipalities / No. of munic./No. of persons	947/652/1,334	6,878/4,732/ 5,465	1,631/1,028/ 1,831
	Companies and enterpreneurs	Number of invited / Number of present / No. of persons	810/697/1,346	688/660/1,852	424/313/1,982
Activities org. by other bodies with Reg FRSs for	Municipalities	No. of invited municipalities / No. of munic./No. of persons	1,316/1 205/ 1,672	983/833/ 1,054	598/545/ 721
	Companies and enterpreneurs	Number of invited / Number of present / No. of persons	379/370/1,589	86/106/750	92/162/790
Activities with foreign partners		Total / from that abroad	78/50	64/46	42/75
Participation in training of crisis staff activities	Regional Crisis Staff	Number of trainings / No. participants from reg. FRS	23/167	80/227	9/94
	Municipal Crisis Staff	Number of trainings / No. participants from reg. FRS	129/318	117/229	69/164
Inspections in population protection and planning branches					
Inspections in population protection and planning branches	By Art.33 of Law No. 240/2000 Coll	Planned number/No. of performed	143/206	94/160	151/147
	By Art.27 of Law No. 239/2000 Coll	Planned number/No. of performed	450/498	269/275	453/454
Population protection					
Ensure of shelters	Number of shelters inspected by territorial departments / by regional directorates of FRS		715/311	472/352	365/316
	Total number of reviews on population protection, issued in territorial and building proceedings		18,407/1,510	7,054/6,958	8,108/7,086
Humanitarian assistance	Total number of agreements on humanitarian assistance conclused with NGOs to 31 Dec.		51	55	54
Warning	Number of electronic sirens with remote control from regional FRS / Number of electronic sirens with local control - owned by regional FRSs		418/0	438/0	445/0
	Number of electric sirens with remote control from regional FRS / Number of electric sirens with local control - owned by regional FRSs		4,455/178	4,410/202	4,473/164
	Number of newly installed electric sirens / electronic sirens		8/25	27/3	9/6
	Number of moved electric sirens / electronic sirens		23/6	5/33	8/21
Emergency surviving	Number of emergency surviving sets for immediate using in fire stations of regional FRSs		219	237	269
	Number of emergency surviving sets for after-using with regional FRSs		85	66	72
	Total number of countainer vehicles for emergency surviving with regional FRSs to 31 Dec.		8	10	10
Civil protection facilities	Number of delivered applications for references on expediency of establishing CP facilities (from companies and enterpreneurs) / Number of recommended applications		68/58	50/46	38/21
	Total number of established CP facilities in municipalities and with companies and with enterpreneurs		162	132	135
Crisis management					
Emergency plan of a region	Number of abstracts from an emergency plan of a region for municipalities / for IRS bodies		336/112	1,432/123	515/153
Crisis plan of a region	Municipalities designes to develop crisis plans of a region		217	180	180
Section for IRS and performance of services					
Tactical and Checking exercises of regional FRSs and IRS		Number	1,498	1,230	1,278
Inspections of IRS		Number	456	652	714

[1)] Entrepreneurs of premises / objects in groups A or B, based on the law No. 59/2006 Coll on prevention of major accidents

Humanitarian assistance to abroad

Providing humanitarian assistance to abroad be an integral part of foreign policy of the Czech Republic. Humanitarian assistance has been provided either on bilateral level, or through international governmental and non-governmental organisations. The Czech Republic has been providing multilateral assistance through humanitarian organisations. Humanitarian assistance to abroad have been provided based on request of an affected country which requests through its representative bodies or through international organisations.
Basic forms of assistance:

- Rescue – taking part in international rescue operations or dispatching an independent rescue team
- Material – provision of material according to the needs of an affected country
- Financial – provision of finance to Czech/international organisations, or directly to relevant authorities of an affected country
- Advisory – dispatching of specialists and experts, or provision of information needed
- Combined – combines the four above-mentioned forms of assistance.

In the frame of the Fire Rescue Service of CR special USAR (Urban Search and Rescue) units have been established, which have been taking an active part in international rescue operations. The main aim of the USAR team is rescuing people from collapsed buildings and constructions, mainly after earthquake or explosions. Team members have been trained according to international standards and are prepared for immediate operation in case of major disaster both home and abroad. The USAR unit is always ready to be dispatched.
Combined with other special module units, the USAR unit can be modified for further rescue activities like chemical analysis and decontamination, floods, fires or medical.
Financial resources, allocated by the Government for the current year in state budget into a bound reserve for humanitarian assistance of the General Cash Administration, fund the State humanitarian assistance of the Czech Republic to foreign countries.
For 2008 the amount of CZK 75 million (EUR 2,68 million) had been allocated. The Ministry of Foreign Affairs takes financial resources from this bound reserve, and regularly informs the Government on these spending.
In 2008 the Czech Republic provided humanitarian assistance to 23 countries in Europe, Asia, Africa and South America (Lebanon, North Korea, Malaysia, Kenya, China, Tajikistan, Albania, Congo, Sudan, Burma, Senegal, Afghanistan, Ethiopia, Turkey, Timor, Iraq, Ukraine, Moldova, Romania, Georgia, Zimbabwe, Haiti and African Corner countries).
Material humanitarian assistance in 2008 was provided six times, and in all cases the FRS CR was responsible for transport and handover of the material.
In March 2008 an explosion of an ammunition store happened in the town of Gerdec, near Tirana, in Albania. After-explosions struck many villages and citizens. The Czech Republic provided material humanitarian assistance to the stricken country in the form of blood plasma, medicaments, and sanitary material (which replenished low stocks of local medical centres). Total humanitarian assistance was worth to 2 million CZK.
In May 2008 the Czech Republic provided a 2-million-CZK humanitarian assistance to China for removal of destructive aftermath of an earthquake in the Sichuan province in the southwest. First part of material were medicaments, the second part – nine S-65 tents - were delivered to the Frankfurt Airport in Germany, and transported to destination in cooperation with the Monitoring and Information Centre of EU.
Consequent on large floods in the eastern part of Europe, in the beginning of August 2008 the Czech Republic provided humanitarian assistance to Romania (12 generators), Ukraine (6 pumps, 500 airbeds, 500 sleeping bags, 240 emergency packs of linen) and Moldova (10 pumps, 6 generators, 500 rubber Wellingtons. Total humanitarian assistance was worth to 2.8 million CZK.
Last humanitarian assistance of the Czech Republic to abroad was sent in mid-August 2008. Sanitary material worth to 2 million CZK (41,000 pcs of different bandages, 120 blood units, 160 blood plasma units, and 1,000 Albumin ampoules) was provided to Georgia after warfare with Russia, and due to the situation handover at the airport in Yerevan, Armenia.
In 2008, the Czech Republic provided financial humanitarian assistance three times to Burma. In May 2008, 2.5 million CZK were provided through the Red Cross International Committee for removal of damages caused by the Nargis cyclone. Another contribution was provided in May 2008 to the ADRA nongovernmental organisation (2 million CZK), to the Free Burma Rangers NGO (0.5 million CZK), and in July 2008 5 million CZK to the People in Need NGO for removal of damages caused by the Nargis cyclone.manitarian assistance not only for 2008 can be found in the **www.usar.cz** website. For 2009 the amount of CZK 85 million (EUR 3 million) has been allocated.

Year	2004	2005	2006	2007	2008
Number of cases	18	17	18	33	29
Number of countries	16	15	11	26	23
Sum in million CZK	51.2	158	87.2	66.56	71.487

Economic Indicators

The efficiency is illustrated by relations between state budget expenditures on activities of the FRS CR, and certain municipal VFU categories II + III, and losses and salvaged values in fires, as given in the following table.

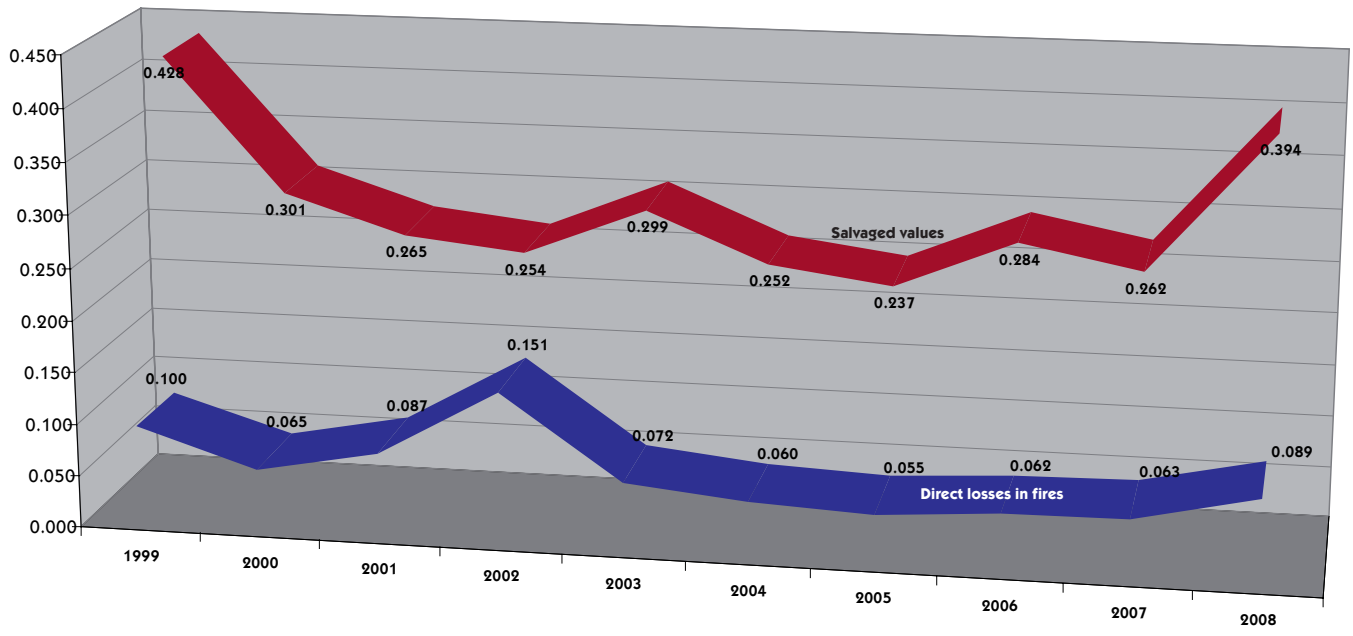
- Losses vs. GDP in CR compared to other countries are among the lowest. This is caused mainly by short distance from fire stations to the incident place (less than 5 km in more than 60 % of fire cases).
- The table has not included values salvaged during fire unit's interventions in other emergencies, as - opposite to fires - no reliable methodology is available to assess the effects of other interventions.

Economical indicators

		2004	2005	2006	2007	2008
GDP in current prices	billion CZK	2,767.7	2,994.4	3,231.6	3,425.5	3,689.8*
Expenditures from state budget on FRS CR activities	billion CZK	6.707	7.127	7.871	8.255	9.081
Subsidies from state budget on FU II and FU III	billion CZK	0.053	0.053	0.054	0.055	0.100
Expenditures on FRS CR, FU II, FU III vs. GDP	%	0.24	0.25	0.25	0.24	0.25
Direct losses caused by fires	billion CZK	1.669	1.634	1.934	2.158	3.277
Direct losses vs. GDP	%	0.06	0.06	0.06	0.06	0.09
Salvaged values in fires	billion CZK	6.977	7.110	9.183	8.974	14.546
Salvaged values vs. GDP	%	0.25	0.24	0.29	0.26	0.39

* GDP for 2008 is assessed according to data of the Czech Statistical Office for nine months of 2008

Values salvaged in fires and direct fire loss compared with GDP (in %)



Tools

Web site of MI, DG FRS CR - www.hzscr.cz

What is offered in statistics?

- Daily reports on incidents and on fire units' activities
- Fires in CR plus weekly survey of chosen fire cases
- Consecutive quarterly summary
- Fire statistics incl. an English version

Types of incidents with fire units' interventions

Fire - fire intervention on each type of burning, which causes death or injury of persons or animals, or damages the material values. As fire is considered also undesirable burning, in which people, animals or material values or the environment are immediately threatened.

Traffic accident - intervention of emergency services in transport - collision of transport means, which requires emergency rescue work, or disposal of traffic accidents. If in intervention prevail other activities, e.g. due to leakage of HazMat into the environment, the intervention is classified according to of this nature. Intervention in the accident with subsequent fire is considered as a fire. As traffic accident is considered also the intervention, where fire units only extricated means of transport from areas outside communications (pulled wreckage, vehicle outside the road etc.), removing only small effects of an accident (cleaning of communications or elimination leaked substances like operating fillings of vehicles, etc.).

Natural disaster – fire units' intervention to an incident resulting from harmful effects caused by horizontal natural influences that threaten lives, health, property or the environment - floods, floodings, storms, snow, ice, windstorm, wind, landslides, earthquakes etc. (connected with declaration of state of danger, the degree of flood activity etc.) in which fire units carry out rescue and liquidation work.

Leakage of HazMat - fire units' intervention in an incident associated with an unwanted release of hazardous chemicals including oil products (during production, transport or handling) and other substances. Fire units' intervention is conducted to limit or reduce risk of uncontrolled leakage of flammable, explosive, corrosive, toxic, harmful, radioactive and other hazardous substances, petroleum products, or other substances (natural gas, acids and their salts, lye, ammonia, etc.) into the environment, including serious accidents according to Section 2 of the Act on prevention of serious accidents.
(Note: **hazardous substance** - see Act No. 157/1998 Coll. on chemical substances and chemical preparations and amending certain other laws, in later version.)
Leakage of oil products (oil accident) - fire units' intervention after the incident with leakage only oil products (gasoline, fuel or oil). In case these substances leaked from operating fillings of vehicles in traffic accidents, are classified as "transport accident".

Technical accident - fire units' intervention to eliminate the hazard or hazardous conditions, large-scale or serious consequences to the health of people, animals or property (other than a natural disaster), such as destruction of the object.

Technical assistance - fire units' intervention to eliminate hazards or dangerous conditions, among small-scale technology assistance and traffic accidents, for example:

- Extrication of persons from a lift
- Emergency opening of the apartment
- Removing obstacles from roads and other areas
- Opening of locked areas
- Disposal of felled trees, electrical wires etc.
- Ventilation of spaces
- Rescue of people and animals
- Water pumping, water closing, and water supply
- Assistance in searching trap systems
- Provisional or other repairs
- Extrication or release of items (including work on water surface)

Technological assistance - fire units' intervention to eliminate hazards or dangerous conditions in technological operations of companies.

Other assistance - fire units' intervention, which cannot be defined as a technical accident, technical or technological assistance, such as removal or transportation of a patient or a physician, monitoring of watercourses, checking if road are passable (except natural disasters) or request of other services (both directly and indirectly provided assistance).

Radiation incident - fire units' intervention after the incident related to an improper release of radioactive substances or ionising radiation (see definition in Section 2 of Act No. 18/1997 Coll., and Section 5 of Decree No. 318/2002 Coll.).

Other incident - fire units' intervention in other emergencies such as epidemics or disease, to ensure suspect shipments, and all interventions for events that cannot be classified as above mentioned.

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

Statistical Yearbook 2008

Publisher:	Ministry of Interior, Fire & Rescue Service of the Czech Republic
Authors:	Vladimír Vonásek, Pavel Lukeš and composite authors
Maps:	Tomáš Peňáz
Graphs:	ASPEKT studio
Photography:	Archive of the edition of the 112 Magazine
Copyreaders:	Luděk Prudil, Jan Urbánek
Editor:	Jaroslav Vykoukal
Translation:	Milena Bohuslavská
Design:	ASPEKT studio, Hálkova 175, 261 01 Příbram I, Czech Republic
Print:	RETIP, s.r.o., Stolín 51, 549 41 Červený Kostelec, Czech Republic
ISBN:	978-80-86640-79-2