

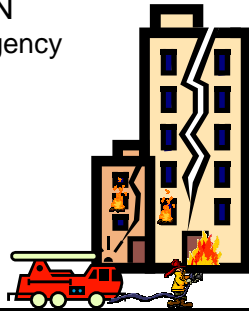
3.5 Fire safety codes in Romania

Golgojan I-P., Romania

FIRE SATETY CODES IN ROMANIA

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ROMANIA

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Past, present and future

- Applicable regulations in Romania
 - General tehnnical regulations
 - Additional tehnnical regulations
 - Specific regulations
 - Complementary and other
- New approach in Romania
 - Notifications
 - Standardisation



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First fire safety regulations in Romania

- 1766 *Alexandru Scarlat Ghica*, after a big fire in Bucharest, spoke for the first time in Romania, about necessity to establish minimal distance between buildings;
- **May 12, 1768** was issued the first regulation regarding request for fire safety;
- **1953** was printed the first normative for new buildings regarding the design and performance for the fire prevention, and then improved by reviews in years 1955, 1957, 1961, 1970 and 1972.



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Present



General technical regulations

- Normative for fire safety of buildings, indicative P 118-99
- Manual application of normative fire safety of buildings, indicative MP 008-2000

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Additional tehnnical regulations

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- Normative for design, execution and exploitation plants fire fighting, indicative NP 086-05
- Regulatory design and electrical wiring, indicative I7-2002
- Norms for interior design and signal wiring and fire alarm systems in buildings against burglary, indicative I18/2-02



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Additional tehnnical regulations

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- SR CEN 12101-5: 2007 Smoke and heat control systems - Part 5: Guidelines on functional recommendations and calculation methods for smoke and heat exhaust ventilation systems
- SR EN 12101-6 Smoke and heat control systems - Part 6: Specification for pressure differential systems - Kits



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Specific technical regulations regarding fire safety request

- **Normative** (examples):
 - ... for schools;
 - ... for kindergarten;
 - ... for hospitals;
 - ... for stadiums
 - ... for underground parking
- **Design, execution and exploitation guide:**
 - ... for small boilers
 - ... for design, automation and installation of central heating plants



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Complementary regulations

- **Fire risk assesment**
 - Guide to risk of fire escape and fire safety in crowded halls, indicative GT 030-01
 - Guide to fire risk assessment and fire safety in hospital buildings, indicative GT 049-02
 - Guide to fire risk assessment and fire safety in homes for the elderly and disabled, indicative GT 050-02
- **Seismic Design Code**, Part I - Provisions for building design, indicative P100/1-2006
- **Other**



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Authorization of construction works in Romania

- Urbanism certificate (request fire safety notices?);
- Projects;
- Verification of specialist attested;
- Notices from local fire department (fire safety);
- Authorization of build;
- Execution;
- Reception at the final execution;
- Approval from local fire department (fire safety);
- Exploitation;
- Final reception (end of warranty period).



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Future

Directive 98/34/CE



- **Normative for fire safety of buildings:**
 - **Part I** Architecture and constructions
 - **Part II** Fire plant installations
 - **Part III** Evacuate smoke and hot gases
 - **Part IV** Detection fire
- **Updating the others national regulations:**
 - Electrical installations;
 - Ventilations and air conditioning;
 - Lightning Protection;
 - Other .



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Thank you for yours attention !

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