

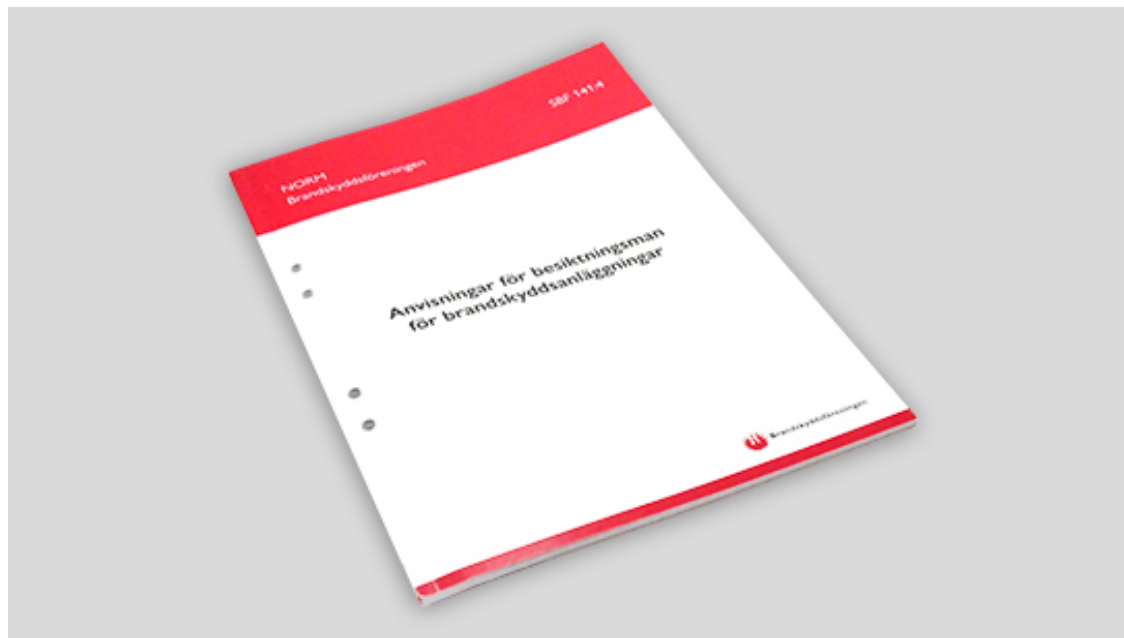
Globalization of fire prevention advisory services.

Bo Hjorth, AlbaCon AB



Third party inspection

- Standard procedure in Scandinavian countries
- New requirement in EN12845:2015, chapter 21
- Late objection from UK: "violation of CEN rules"
- New wording under Formal Vote process



Proposed new chapter 21

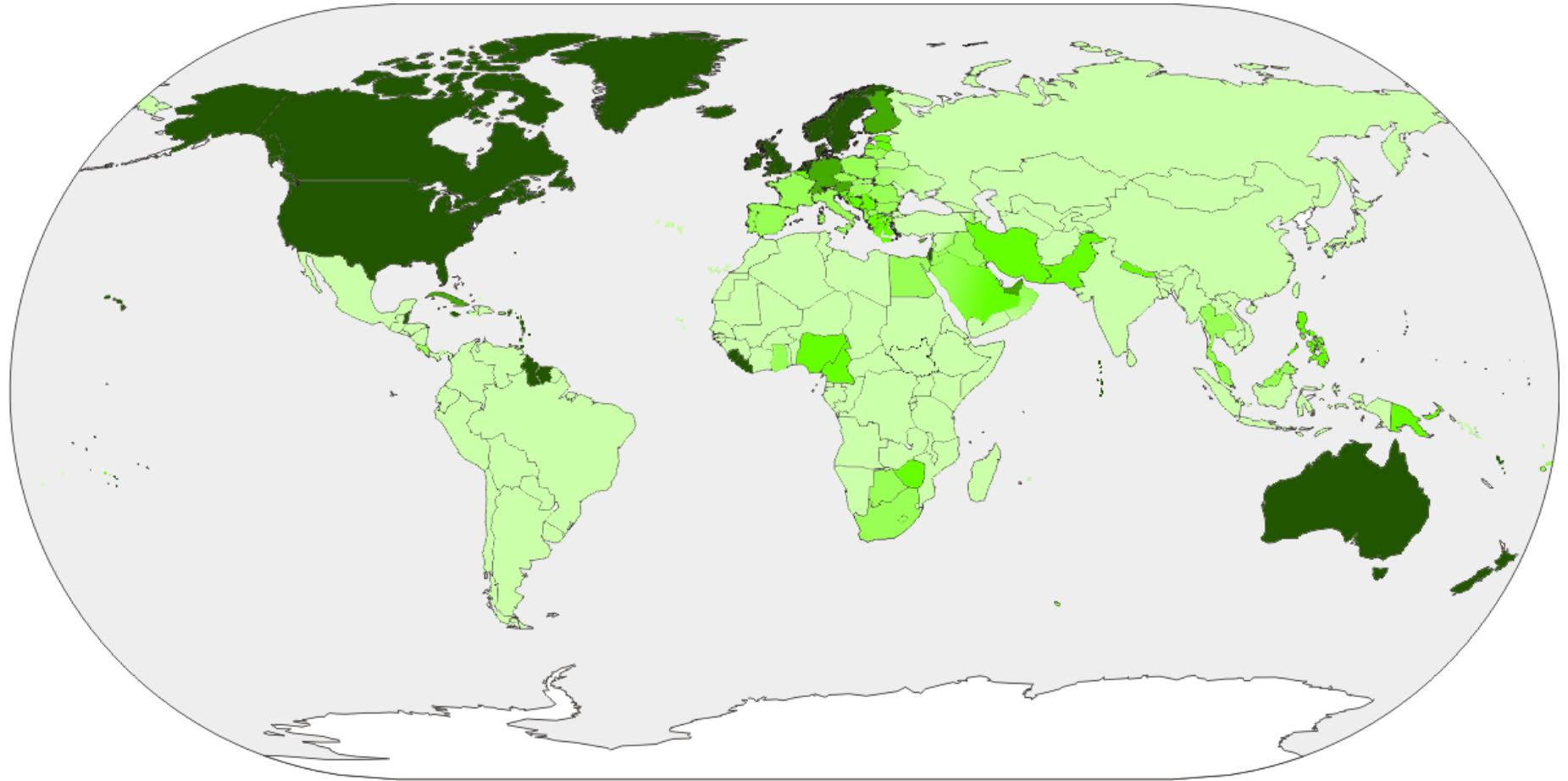
“21 Periodic system inspection

The sprinkler system shall be periodically inspected by a **qualified person** at least once a year (see Annex Q). The inspection report shall assess whether the system is in accordance with this standard, with regard but not limited to maintenance, operation and adequacy for the risk involved. A list of deviations shall be issued for action.”

Proposed new Annex material

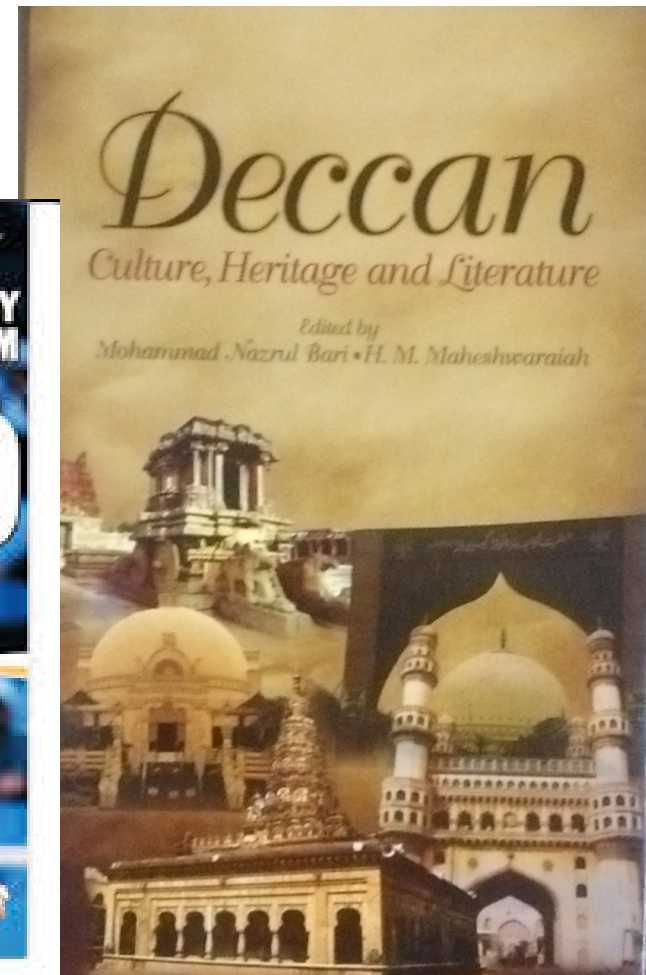
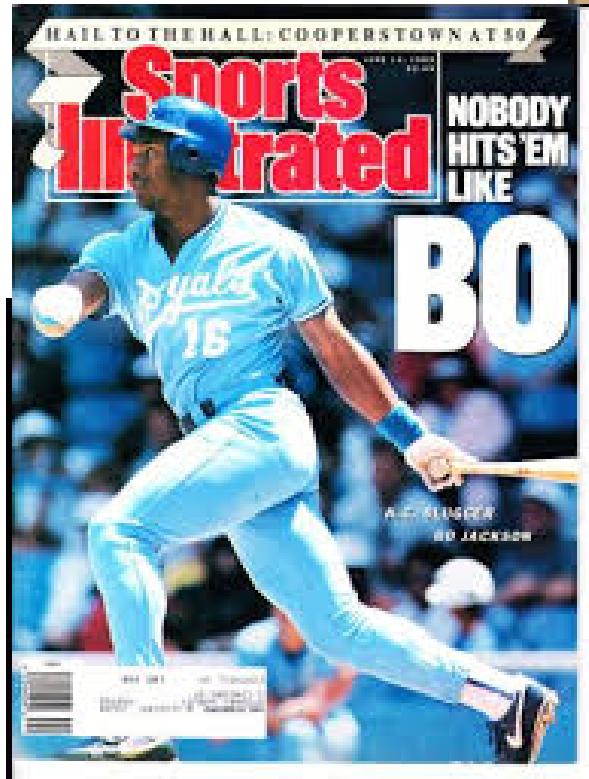
“When performing periodic inspection, it is recommended that the system inspections are undertaken by **an independent body**, e.g. not the system owner, building occupier, system installer (or competing installer) or service and maintenance provider (or competing service and maintenance provider). The qualified person is a designated individual, suitably trained, competent through knowledge and practical experience and with the necessary instruction to enable the test and examinations to be carried out.

Language

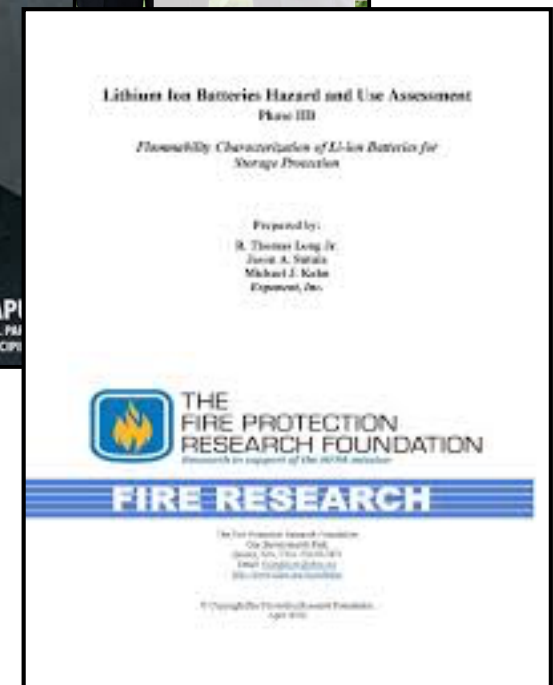


Englishspeaking populations

Culture




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AUE 11
UNI-EN 12845 units with 1 M electric motor pump
pnp. 574




AUD 11
UNI-EN 12845 units with 1 M electric motor pump (diesel motor)
pnp. 575

AUED 21
UNI-EN 12845 units with 2 M electric motor pump
(diesel motor)




AUE 11
UNI-EN 12845 units with 1 M electric motor pump
pnp. 584


AUE 21
UNI-EN 12845 units with 2 M electric motor pump




AUE, AUD, AUED - Pressure b...
calpeda.com




BBC Elettropompe - su...
bbc.it



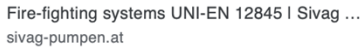
FFS-FFB Fire-Fighting Units In ...
tem-trading.com



GEM modular firefighting b...
lowara.com



UNI EN 12845 FIRE-FIGHTI...
dabpumps.com



Fire-fighting systems UNI-EN 12845 | Sivag ...
sivag-pumpen.at

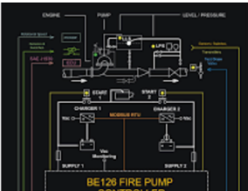







Diagram of fire pump controller











ALBA CON AB

Integrity

- Make a choice: design – or inspect
- Keep a wide lane between your client and any contractor
- Always be prepared to walk away

Plan review



Challenges



Good reason for NFPA 13:
(1) Committee scope



- TCC
- Hanging and bracing
- Water supply
- Residential
- System Discharge Criteria
- System Installation Criteria

Good reason for NFPA 13:
(2) Committee set-up



A balance of special interest groups. E.g. **Sprinkler Discharge Criteria**

- | | |
|--|---|
| • M Manufacturer | 5 |
| • U User | 1 |
| • IM Installer/Maintainer | 5 |
| • L Labor | 1 |
| • RT Applied Research/Testing Laboratory | 1 |
| • E Enforcing Authority | 4 |
| • I Insurance | 5 |
| • C Consumer | - |
| • SE Special Expert | 8 |

Metric problems in NFPA 13

I.6.3 New attempt at correct metrification

Use mm up to 900 mm, then m (1,0m)

Use one significant number from 1,0 m to 9,9m, then just whole meter (and same applies for bar and other units)

Exception: tables for ESFR and CMSA – keep well established values (e.g. 10,7 m, not 11m)

Nominal values used for pipe dimensions etc

Soft, but not super-soft, rounding off (e.g. 40 ft (12.16m) = 12,2 m, not 12m)

Any remaining errors: to be fixed

Good reason for NFPA 13:
(3) New Technology

1.7.1 Nothing in this standard shall be intended to restrict new technologies or alternate arrangements, provided the level of safety prescribed by this standard is not lowered.



Viking ESFR K28

Common misunderstandings

- **3.2.1 Approved** – Acceptable to Authority Having Jurisdiction (AHJ)
- **3.2.2 Authority Having Jurisdiction (AHJ)**
- **3.2.3 Listed** - Equipment included in list published by an organisation acceptable to the Authority Having Jurisdiction (AHJ)





And that is about the size of it...