



SCDF
The Life Saving Force

CERT & FSM Case Studies

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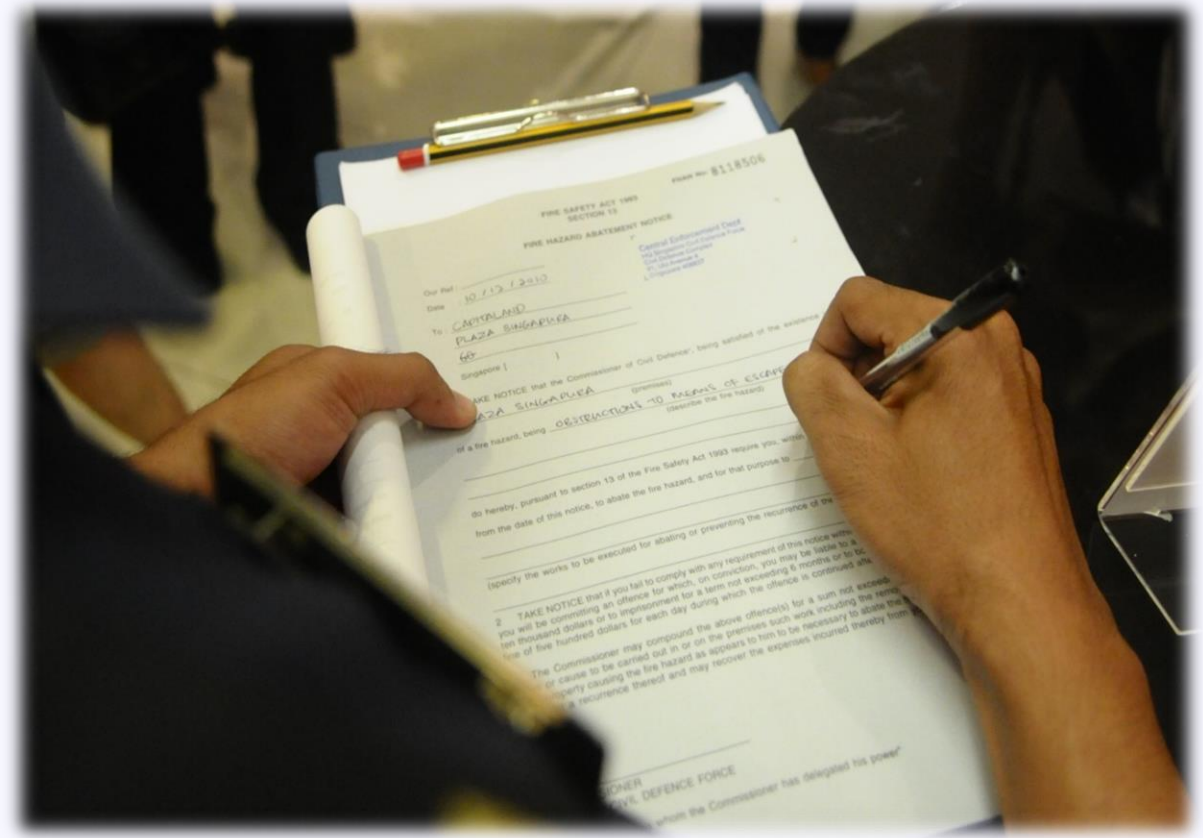
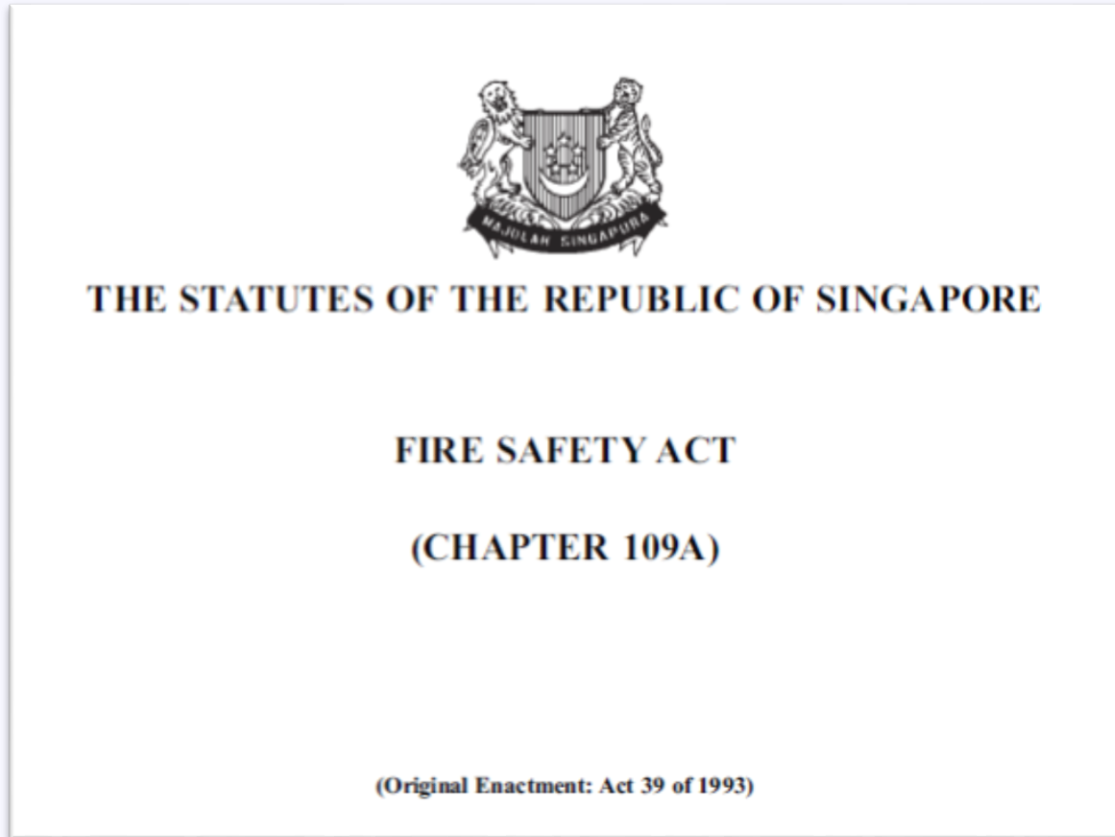
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INCIDENT MANAGEMENT PROCESS



■ Verification

✓ CERT Activation + Initial Response

- *Get to CERT assembly area within 1 minute*

✓ Deployment of CERT

- *Arrive at incident location within 5 minutes*

✓ Incident confirmation + Inform SCDF

- *Only trained personnel shall use fire lift for investigation*
- *Inform SCDF immediately*

■ Response

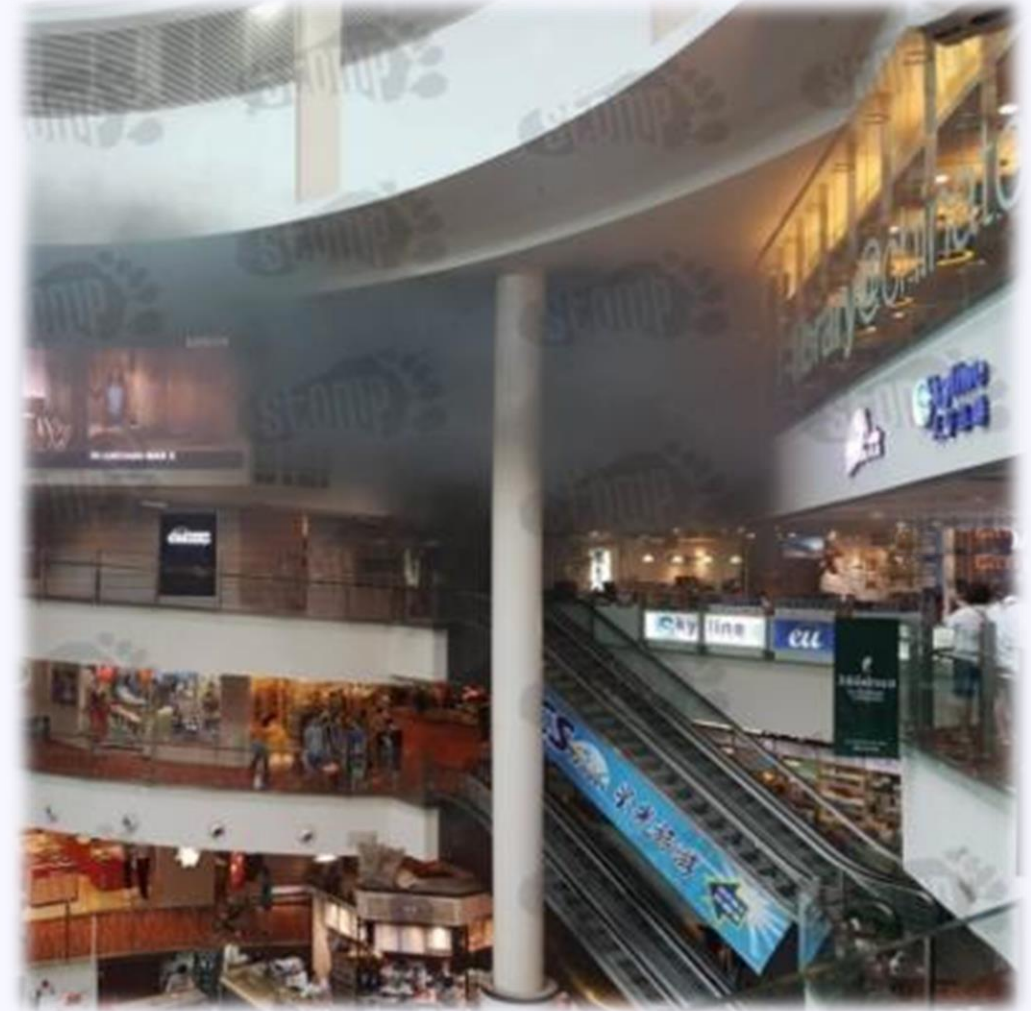
✓ Incident management

- *May silence alarm after 15 seconds only if EVCS is available*
- *Keep occupants informed of situation*
- *Perform horizontal or phased evacuation if suitable*
- *Ensure safety of occupants at assembly area*

CASE STUDIES – SHOPPING MALL

- Escalator fire on a Sunday afternoon
- **No alarm system log record**
- **Fire alarm was isolated and disabled**
- **Alarm sounders not triggered**
- **Alarm signal not sent to DECAMS**
- **Alarm signal not sent to SCDF**
- **Did not call 995**

Did building owner, managing agent, FSM ensure fire safety measures are in efficient working order?



CASE STUDIES – LIGHT INDUSTRIAL BUILDING



- Fire started around lunch time
- Security guard answer DECAMS verification call and **reported false alarm without checking**
- Erection of office without approval
- Change of use of toilets to storage area

Did FSM perform daily checks?

Did FSM supervise fire safety works?

Did building owner ensure CERT is formed?

CASE STUDIES – SPECIAL INDUSTRIAL BUILDING

- CERT alerted to fire around 6am
- Tried to fight fire but incident escalated
- **20 minutes later, finally informed SCDF when situation is out of control**

Did CERT inform SCDF immediately?

- Change of driveway to storage area
- Change of parking to storage area
- Storage of P&FM without license
- Did not obtain Fire Safety Certificate
- Addition of container as storage area

Did FSM carry out his/her duty?



GOOD CASE STUDY – NURSING HOME

- 8 staff on duty, assisted by a few other off duty stay-in staff. Manage to horizontally evacuate 60 residents within 10 minutes at level 2 and 3.
- As a precaution, removed hand dryers from all ward toilets by the next morning.
- Well-rehearsed emergency management plan and sound risk management policy.



Owner, Occupier, FSM & CERT Responsibilities

FSA Section 22(2)

The **owner or occupier** of the premises shall **ensure that the fire safety measures and fire safety practices** of such premises **comply** with the requirements of this Act.

FSA Section 22(3)

The **fire safety manager** and **Company Emergency Response Team** of the premises shall **assist the owner or occupier** of the premises in the performance of his duties under this Act.

“occupier” in relation to any premises, **means the person in occupation of the premises or having the charge, management or control thereof** and, *in relation to any part of any premises different parts of which are occupied by different persons,* means the person in occupation or having the charge, management or control *of that part*.

Owner & Occupier Responsibilities

Fire Safety (FSM) Regulations

Regulation 5: Owner or occupier to ensure compliance by FSM

It shall be the duty of the owner or occupier of any specified premises to ensure that the FSM appointed under regulation 3(a) and any person appointed to act as FSM under regulation 6 **carry out the duties prescribed for FSMs under regulations 7 and 8.**

Regulation 6: Duty of occupier or owner to appoint another person to act in absence of fire safety manager

If the FSM is unable to perform his duties under the Act or these Regulations, it shall be the duty of the owner or occupier of the specified premises **to appoint another person to act as the FSM in his absence.**

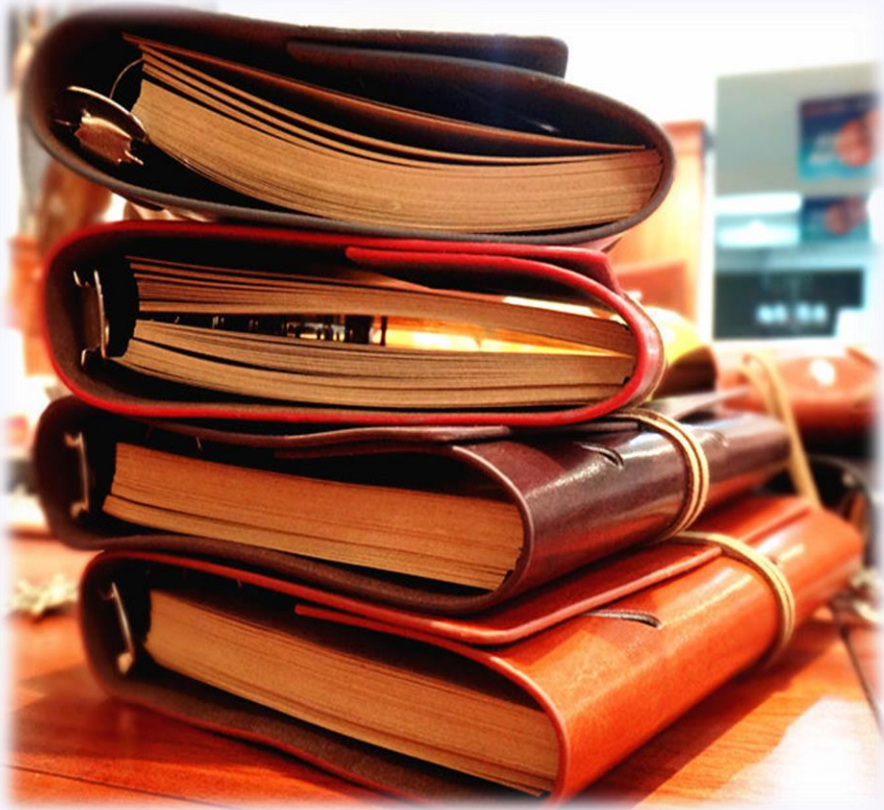
FSM Responsibilities

Fire Safety (FSM) Regulation 7: General duties of FSM

It shall be the duty of a FSM appointed for any specified premises to assist the owner or occupier of the premises to –

- supervise the maintenance of all fire safety works in the premises;
- conduct daily checks within the premises and remove or cause to be removed any fire hazard that is found within the premises;
- prepare and execute the Emergency Response Plan for the premises;
- prepare fire safety guidebooks for the occupants of the premises;
- notify SCDF immediately upon the occurrence of any fire incident;
- *...and more, refer to Regulations for complete list of duties!*

Proposed FSM Handbook



- Convenient guide for quick reference
- Reminder on FSM-related duties
- Sample content
 - ✓ Duties of FSM and building owner/occupier
 - ✓ Common fire safety violations to watch out for
 - ✓ Tips on how to organise evacuation drills
 - ✓ Incident management process
 - ✓ Incident report template
- **We need your feedback! Please send suggestions for FSM handbook to jason_soh@scdf.gov.sg**

Thank You

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