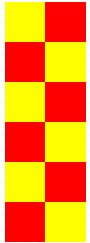




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CERT Response

Chng Chin Kiat

Audit Team Leader

Central Enforcement Department | Plans & Audit Branch



Scope

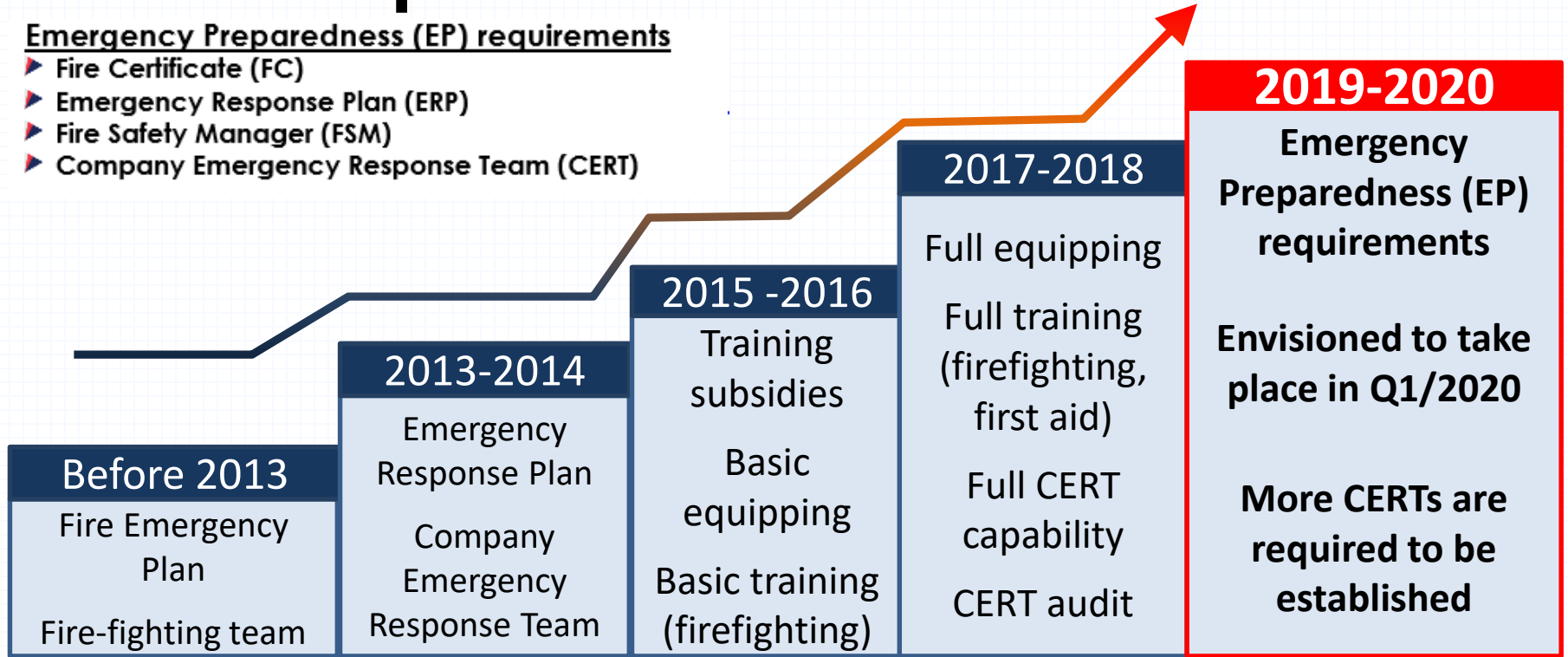
- **Latest development for CERT**
 - ✓ Proposed FSA Amendments
 - ✓ Emphasis on Training and Equipping
 - ✓ Progressive Enforcement
- **CERT Audit Findings WY18/19**
- **Case Studies – Actual CERT Response**



Proposed FSA Amendments

Emergency Preparedness (EP) requirements

- ▶ Fire Certificate (FC)
- ▶ Emergency Response Plan (ERP)
- ▶ Fire Safety Manager (FSM)
- ▶ Company Emergency Response Team (CERT)



Emphasis on Training and Equipping

Updated CERT Audit Checklist (Since 1st Apr 2019)

- Weightage score:
 - ✓ 40% for Documentation
 - ✓ 60% for Practical
- More bandings (Pass with Commendation, Pass, Conditional Pass)
- Updated CERT Audit Checklist can be downloaded from our SCDF website

Proposals (Envision to implement in 1H 2020)

- Documentation Audit Exemption for 1 year (Top 10% percentile)
- Bonus score (Meeting more than just the minimum stipulated in the National CERT Standard)
- Immediate failure (Without proper training etc.)
- For feedback, you may write in to SCDF_CERT@SCDF.GOV.SG



Progressive Enforcement

Notices of Fire Safety Offence:

- ▶ \$1000 Failure to establish CERT
- ▶ \$1000 Failure to train CERT
- ▶ \$1000 Failure to equip CERT

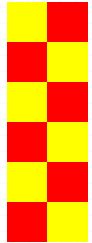




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CERT Audit Findings WY18/19



CERT Audit Findings WY18/19

- Overview
 - ✓ More than 90% Passing Rate
 - ✓ Areas that company usually do well
 - Emergency Response Plan (ERP)
 - Training records
 - Equipping
 - ✓ Areas for improvement
 - Refresher training
 - Proper donning of PPE
 - Mitigation skills



Positive findings

- Linking up with SCDF
- Proper PPE
- Casualty evacuation
- Buddy system



Areas for improvement

- Insufficient walkie-talkie
- Instructions from SIC
- Improper PPE
- Insufficient SCBA



CERT Audit Findings WY18/19

Documentation



- Emergency Response Plan (ERP)
 - ERP should be updated regularly to reflect any changes
 - CERT and employees are not familiar with the ERP and their roles



- Training records and Certifications
 - Training courses must still be maintained even when there is high turnover rate



- Maintenance Record
 - Ensuring that all the equipment and PPE are in order and serviceable condition



- Equipment Readiness and
 - Non-fire retardant jackets & gloves
 - No AED

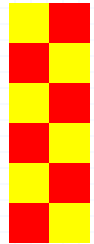




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Case Studies – Actual CERT Response



Actual CERT Response

Date & Time : 1st Jan 2019 @ 1830 hrs

Location: Yishun Northpoint City

Nature of Incident: Fire involved the engine compartment of a car

CERT Response: CERT put out the fire with hosereel and fire extinguishers.

义顺纳福城

车停泊突起火 引擎盖烧焦黑



轿车引擎不知何故突然失火，
被烧至焦黑。

王英慧 报道
evonwong@sph.com.sg
林泽锐 摄影

义顺纳福城底层停车场一辆停泊着的汽车，引擎突然窜出火苗起火燃烧，管理层封锁停车场灭火。

这起事件发生在昨天傍晚6时50分，地点在义顺纳福城底层停车场。

热心读者目睹事发经过，拍下视频通知本报。

记者闻讯赶到，现场已拆掉封锁线，被烧的轿车仍在现场。之后，管理层叫来拖车，把失火的轿车拖走，车主则已不在现场。

据记者观察，轿车引擎盖被烧至焦黑，所幸火势很快被扑灭，火苗没有蔓延到轿车其他部分。

据了解，事发时轿车内并没有人，巡逻的商场保安发现轿车引擎冒烟窜出火苗，赶紧帮忙灭火。

附近食阁职员阿泉立（29岁）受访时表示，事发时商场内突然响起警报，随即传出广播，指停车场疑似有轿车失火，管理层正在查证，要大家保持冷静。

“管理层不断重复广播，持续约10分钟，警方和消防部队赶到后，也封锁现场。”

商场管理层星狮地产（Fraser's Property）发言人受访时表示，受过训练的保安人员事后通报民防部队，并同时使用商场的灭火器材尝试灭火，民防部队迅速赶到并在10分钟内扑灭火势。

“停车场在昨晚8时恢复正常，火势也没有殃及商场的资产。”民防部队受询时证实接获通报一名保安使用消防水管和灭火器灭火。没有人在事故中受伤，起火原因还在调查中。

▼警方和消防部队赶到现场，封锁受影响的停车场楼层。（受访者提供）

商场门口被关闭 20公众一度受堵

管理层关闭连接停车场的商场门口，约20名公众一度堵在门口出不来。

不愿具名的清洁工说，事发后停车场被封锁，管理层也把连接停车场的商场门口关闭，不让公众进入停车场，以策安全。“因为门口被关了，约有20人堵在门口观望，有车主也无法取车离开。”

食阁职员林女士（53岁）也说，受影响的公众都耐心等待约一个小时后，警方收掉封锁线，才陆续乘车离开。



Actual CERT Response

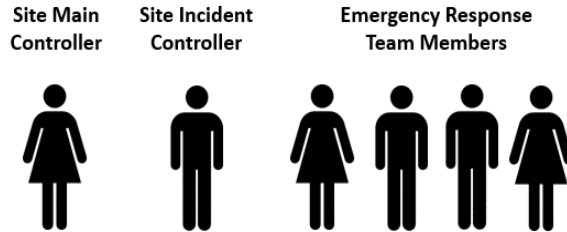
Company:	Details of incidents
ExxonMobil Asia Pacific Pte Ltd	Date: March 2019 Nature of incident: Steel column within an empty storage tank CERT Response: <ul style="list-style-type: none">• Set up 4 ground monitors for effective boundary cooling purposes• Continued to support SCDF officers in firefighting efforts
Shell Eastern Petroleum Pte Ltd Refinery	Date: January 2019 Nature of incident: Fire involving a drum of sulphur waste material CERT Response: <ul style="list-style-type: none">• Set up 1 x 38mm water jet and extinguished the fire within 10 minutes• Assisted in damping down• Provided the requested evidence such as CCTV footage

➤ CERT should remain on site to support SCDF in consequence management until the end of the operation.



CERT Training and Responsibilities

■ CERT Training Courses



- **SMC**

- WSQ Implement Incident Management Processes

- **SIC**

- WSQ Implement Incident Management Processes
- WSQ Respond to Fire (Same as ERT members)

- **ERT Members**

- Tier 1 P&FM – WSQ Respond to Fire & HazMat Emergency (3 days)
- Tier 1 HRI, Tier 2 – WSQ Respond to Fire Emergency in Buildings (2 days)
- Tier 3 – WSQ Respond to Fire Incident in Workplaces (1 day)
- CERT first aider course (1 day)

■ Responsibilities

- **SMC**

- Key decision maker
- Point of contact with government agencies
- Authorise operation shutdown & evacuation

- **SIC**

- Response Team leader
- Link between SMC & ERT (and FSM)

- **ERT Members**

- Provide emergency response
- Conduct evacuation
- Implement In-Place Protection
- Provide first aid



Summary

- Review of premises required to meet EP requirements
 - ✓ More CERTs are expected to be formed
- Ensure that CERTs are trained and equipped adequately
 - ✓ Align with National CERT Standard
 - ✓ Enforcement actions, for non-compliances



Thank You

For any enquiry or feedback, you may
write in to SCDF_CERT@SCDF.GOV.SG

