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| **1.9 Thermography of Electrical Installations** | |
| Level | 3 |
| Duration | Minimum of 30 hours |
| CFPA-E Points | 30 |
| Aim | To provide learners with the necessary knowledge to perform thermography correctly and efficiently on electrical equipment, the aim being to prevent fires occurring |
| Target Public | Thermographers who work on electrical installations to pinpoint areas of potential defects, damage risks or hazards, with particular reference to fire prevention and protection |
| Pre-requisites | • Technical qualification which is at least equivalent to that of a trained electrician and  • Training and education required under national legislation to be able to work on electrical installations  • The participants have to bring their own thermographic equipment |
| Progression | Courses from the CFPA qualifications framework to broaden knowledge at Level 3 or progress to more in-depth courses at Level 4 |
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| Learning Outcomes | Upon successful completion of the course learners will be able to: |
|  | Appraise the use of non-contact temperature measurements of electrical equipment and connections in all levels of voltage  Detect and analyse thermic abnormalities |
|  | Select the circumstances and conditions where this equipment would be used |
|  | Organise proper use of own equipment |
|  | Detect, examine and appraise each type of risk / hazard |
|  | Analyse, properly record and present the findings of the work |
|  | Appraise safe practical use of equipment |
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| Related Guidelines | 3 F |
| Assessment | A minimum of a written examination plus a case study presented in writing or orally |
| Qualifications | Diploma |