A quick reference to the new 'Fire Emergency and Security Systems Apprenticeship standard' created by Employers from the industry via the Trailblazer programmes.

Occupation title

- Fire, Emergency and Security Systems Technician

Generic job titles recognised across the industry

- Alarm/Fire/Emergency/Security Systems: Installer/Maintainer/Engineer/Technician

Occupational profile

- Fire, Emergency and Security Systems Technicians design, install, commission and maintain electronic systems in and outside simple and complex premises to protect individuals, homes and properties from risk and danger.
- Systems include fire, security and emergency systems to detect intrusion, provide surveillance, monitor and control access to buildings, properties and sites or to detect fire and emergencies.
- Skills include interconnection of equipment, programming, verifying performance/fault finding and testing and maintaining.
- Technicians will carry out planned jobs to install new systems, modify and maintain existing systems as well as respond to call-outs to repair faulty systems where they will utilise their problem solving skills.
- They will take a professional approach to customer service skills which include being presentable, tidy and respectful as they can often find themselves working in and outside customers' homes as well as in and outside business premises.
- It is important for Fire, Emergency and Security Systems Technicians to be able to work independently or as part of a team and use their knowledge and skills to ensure systems have been appropriately selected and installed and maintained to a professional industry standard, often without any supervision, and done so in a safe, efficient and economical manner to minimise waste.

Why do we need a new apprenticeship standard?

- As part of the Government's Trailblazer Initiative, an Employer Group with the support of the FSA, BSIA, FIA and other key industry stakeholders have developed a Fire, Emergency and Security Systems Technicians Apprenticeship which was launched in February 2017. It focuses on Employer-designed Apprenticeship standards to ensure Apprentices' training and assessment meet precise industry and business needs.
- Typical completion time is likely to be 36 months, with the Apprentice becoming an increasingly valuable asset to your business each year.

What's New?

- The standard is now a Level 3 Apprenticeship with a choice of Pathways, a Core Module and an End Assessment (EPA). There will also be an opportunity to transfer Level 2 City and Guilds - Electronic Security and Emergency Systems (1853) & Providing Electronic Security and Emergency Systems (2882) - to this new Apprenticeship

Entry Requirements and Qualifications:

- Entry requirements will be determined by individual employers. Initial assessment of literacy and numeracy on entry to the Apprenticeship should show potential to achieve the main outcomes of the programme. Apprentices without level 2 English and Maths will need to achieve this level prior to completion of their Apprenticeship.

Link to professional registration:

- By the end of this apprenticeship the candidate will have satisfied the requirements for registration as EngTech by the Engineering Council

What will it Cost me?

- For the majority of Employers, the Government will cover 90% of the costs. A co-investment programme automatically pays the Training Provider via an online account.

Funding

- The Digital Apprenticeship Service (from May 2017) creates a funding pot calculated on PAYE payments. For businesses with a payroll of less than £3m 90% of the funding comes from the Government and those with less than 50 Employees receive 100%. The Apprenticeship Levy encourages businesses with a payroll greater than £3m to invest in Apprenticeships.
- This contribution can be claimed back by employing Apprentices and the Government will provide a 10% top-up to the funding pot. For more information visit our website JTL site??/……..

Pathways

Choose which pathway best suits both your business and the Apprentice's journey:

Options

In addition to the core skills, knowledge and behaviour requirements, apprentices must choose one of the following options:

Options	Knowledge	Skills
Fire	Understand: the relationship of fire detection and alarms to the fire industry, the principles and features for design criteria, and the methods of surveying new and existing systems. The Planning and project management for system installation, commissioning and handover. The preventative and corrective maintenance of fire detection and alarm systems, emergency systems and components.	Apply and implement system design, planning, installation, testing, commissioning and handover. Carry out preventative and corrective maintenance, diagnosis and repair faults, of fire detection and alarm and other emergency systems and components.
Security	Understand: the requirement and implementation of security risk assessments, the principles, functions and operation for design criteria. The planning and project management for system installation, commissioning and handover. The preventative and corrective maintenance of Intruder and hold up alarms, Access Control, video surveillance (CCTV) and other electronic security systems and components.	Apply and implement system design, planning, installation, testing, commissioning and handover. Carry out preventative and corrective maintenance, diagnosis and repair faults, of Intruder and holdup alarms, Access Control, video surveillance (CCTV) and other electronic security systems and components.
Fire and emergency lighting	Understand: The relationship of fire detection and alarms to the fire industry, the principles and features for design criteria, and the methods of surveying new and existing systems. The Planning and project management for system installation, commissioning and handover. The preventative and corrective maintenance of fire detection and alarm systems, emergency lighting, emergency systems and components. The installation of electrical circuits, selecting correct protective devices, testing and certifying to current standards.	Apply and implement system design, planning, installation where required, testing, commissioning and handover. Carry out preventative and corrective maintenance, diagnosis and repair faults, of fire detection and alarm, emergency light systems and other emergency systems and components.
Fire and Security	Understand: the relationship of fire detection and security alarms to the fire & security industry and the requirement and implementation of security risk assessments, the principles, features, functions and operation for design criteria, and the methods of surveying new and existing systems. The Planning and project management for systems installation, commissioning and handover. The preventative and corrective maintenance of fire detection and alarm systems, emergency systems and components, Intruder and hold up alarms, Access Control, video surveillance (CCTV) and other electronic security systems and components.	Apply and implement system design, planning, installation, testing, commissioning and handover. Carry out preventative and corrective maintenance, diagnosis and repair faults, of fire detection and alarm, and other emergency systems and components, Intruder and holdup alarms, Access Control, video surveillance (CCTV) and other electronic security systems and components.