SAQCC FIRE

D&GS TRAINING SUB COMMITTEE

COURSE CURRICULUM

COURSE	**Fire Detection Supplier Training 3 Addressable Fire Detection - Advanced**	
ORIGINATOR	**Nichola Allan**	
DATE	30th October 2012	
Amendment 1	05th October 2013	1st committee review
Amendment 2	21st November 2013	2nd committee review
Issued	15th December 2013	Issued

EQUIVALENT TRAINING COURSES AVAILABLE		
TITLE	TRAINING SCHOOL	CONTACT DETAILS

STATUS OF CURRICULUM - Complete - Issued

EQUIVALENT UNIT STANDARD	

None

PURPOSE OF TRAINING COURSE

This training course is for learners to gain advanced knowledge of addressable fire panels including their functions, operation and commissioning.

Learners who have completed this course will have a thorough knowledge to install, program and commission these fire detection panels and systems.

LEARNING ASSUMED TO BE IN PLACE

This course assumes the learner is already proved competent in:

Workshop practice
Fire theory
Electrical and electronic theory
Cables and Cabling
Fire detection principles

Supplier Training 1 – Conventional fire detection
Supplier Training 2 – Addressable Fire Detection - Basic

OUTCOMES REQUIRED

Topics Covered:

1. Addressable fire panel
2. Logic mapping
3. Software programming
4. Testing, commissioning and fault finding

Outcome 1: The advanced features of addressable fire panel

Learning Outcomes:

To include:

- Panel menus
- Direct panel programming
- User menus and functions

Assessment:

Learner to describe the origin and approvals of the fire panels and all the functions the fire panel provides.

Outcome 2: The advanced logic mapping of the addressable fire system

Learning Outcomes:

To include:

- Understanding the specific panels advanced logic
- Applying rules for automatic operation

Assessment:

Learner to demonstrate ability to apply site conditions to panel programming.

NOTE: Each manufacturer has a different method of achieving the input/output logic for automatic fire panel operation. The specific details of the curriculum will be dependent on manufacturer.

Outcome 3: Networking of addressable panels

Learning Outcomes:

To include :

- Wiring of network communications
- Configuration of the network
- Network programming

Assessment:
Learner to demonstrate his knowledge of configuring, installing and wiring of the addressable fire detection system network.

Outcome 4: Software programming

Learning Outcomes:

To include:

- Connecting the panel to a software interface (computer)
- Programming of the panel via software interface
- Graphic Interface Software programming where applicable

Assessment:
Learner to apply panel programming via software interface.

Outcome 5: System testing commissioning and fault finding

Learning Outcomes:

To include:

- Testing of the network
- Testing of the I/O mapping
- Testing devices operate corresponding icon on the graphics display

Assessment:
Learner to describe how to test and commission the system and demonstrate ability to find faults on the system.