

# Fire Service Emergency Cover Training Programme

From Training4GIS



## Advanced Course Guide





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## INTRODUCTION

In September 2006 The GeoInformation Group were awarded a contract by Communities and Local Government to write and deliver a new set of training courses for the FSEC Toolkit.

Since January 2007 the programme has successfully trained over 200 Fire and Rescue Service (FRS) personnel in the concepts and practical application of FSEC.

Through discussion with FRS's that have attended the programme we have recognised the need to develop a more advanced training course. This course has been designed for FRS staff that are already competent FSEC users and want to develop their knowledge to exploit the information available within the Toolkit.

## COURSE LEVEL

The course is aimed at:

Competent FSEC users that wish to enhance their practical skills.

## COURSE AVAILABILITY

Course is now available from The GeoInformation Group and this document provides the details on the content of the new Advanced Module.

Courses are being run at regional centres around the UK. To find out more about these centres and when your next course is please contact Linda Baron on 01223 88 00 77.



## MODULE 4.1

### ADVANCED

#### AIM

To provide existing FSEC users with expertise in a greater depth of knowledge for manipulating data within the FSEC Toolkit.

This course has a high practical content. All sessions begin with a brief introduction to the core concepts but will mainly comprise demonstrations and practical exercises.

Each course has a maximum of 6 delegates.

**Time:** 2 days

**Pre Requisite** Module 3.1-3.4 or equivalent training

#### COURSE CONTENT

##### Session 1: Developing Expressions

The fundamental purpose of the FSEC toolkit is to undertake risk assessment. However, it also contains a wealth of information that can be exploited for use both within the Toolkit and in complementary technologies. Expressions are the hidden power that enables the extraction of both textual and graphic information. Topics to be covered will include:

- Exploiting Census Data
  - Extracting textual information
  - Creating tailored overlays
- Extracting Address data
  - Extracting and formatting data
  - Integration with Microsoft Office mail tools
- Creating Informative Overlays
  - Effective labelling
  - Linking features based on locations
  - Using appropriate scale factors
  - Saving and editing customised overlays
  - Importing and customising symbology
  - Creating themes

##### Session 2: Toolkit Extensions

Through the continual development of the FSEC Toolkit extensions have been developed to enhance data analysis and provide valuable by products from the risk assessment methodology. These extensions were provided to assist FRS's in the customisation and display of data connected to road networks.

- Route Trace
- 'T' Check

**Session 3: Managing Geographic Data**

Data management includes the update of base data and import of supplementary data. Supplementary data includes any data that you consider helps you enhance your FSEC model. Therefore supplementary data does not affect the risk assessment methodology but may improve your interpretation of the data inputs as well as the model results. Topics to be covered will include:

- Updating AddressPoint data
- 2<sup>nd</sup> generation Ordnance Survey map update
- Converting MID / MIF and shapefile data

**Session 4: Customizing Features**

This session builds on the skills learnt in the previous sessions to customise FSEC. Customisation includes adding supplementary data, creating bespoke overlays and tailoring dialog boxes.

- Using demographic and environmental data e.g. Mosaic and flood boundaries
- Manipulating data with Excel and Access
- Creating custom features
- Importing data
- Creating a dialog box for custom features
- Creating custom overlays
- Saving and editing custom overlays

**Session 5: Open Forum**

This session will be discussion based. The aim of the session is to review the previous sessions and discuss other issues currently facing FSEC operators. Prior to the course attendees will be asked to submit questions which they would like to discuss in this session.

On attending this course each student will receive a course workbook including course notes, practical exercises and handouts.

For more information contact

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