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# Masters Dissertation Scheme Project form



<b>Company / Organisation Name:</b>	West Midlands Fire Service
<b>Team / Department:</b>	Organisational Intelligence
<b>Address:</b>	

**Provisional title for project:**

Developing an evidence-led multi-agency tool for improving initial intelligence and communications at large incidents.

**Short description of the problem that would be addressed by the project:**

There is some evidence to suggest that initial incident information from partner agencies into fire control is sometimes inaccurate or misleading. In fairness, it may well be the case that information from fire crews to ambulance or police control suffers from the same issues. WMFS would like to establish a two- fold project concerning this.

The first part is to investigate messages to control from partner agencies and determine the level of accuracy and what the impact on the incident command was. The second part, drawing from existing models such as the METHANE major incident reporting mnemonic, is to draught a multi-agency tool for initial messaging, taking into account the requirements of all blue light and partner agencies, with the intention of improving information accuracy.

**Short description of the data sources that would be used in the project, and how they would be used**

AVLS Data – GPS data for each appliance, giving location, speed, time.  
Mobilisation data – details of the incident type.  
Callsign data – giving status of vehicle by time.

**Would any work by the student need to be carried out on site at the Company with the exception of supervisory meetings?**

Not necessary, but very welcome both on fire stations, and at HQ.

**Any issues of data confidentiality and IPR that would need to be resolved**

Some anonymisation required on incident data, but we could potentially do that at this end.

**Essential skills**

GIS / Data Analysis

**Desirable skills**

Social science / interview / questionnaire analysis

**Preferred degree programmes (if any)**

Not specified, but clearly a GIS / data background would be beneficial.

**Preferred selection method**

Web meeting discussion.

**Support and training offered by the company**

Support, desk at HQ if required, visits to fire stations, working from fire stations if required.

**Financial assistance offered by the company**

£500 stipend

**Any other comments**

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If there are any questions about the 2023 programme, please contact Richard Arnold at [richard.arnold@ucl.ac.uk](mailto:richard.arnold@ucl.ac.uk)

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