

Job Description

A Post Details	
Job Title: Drone Insight and Benefit Analyst	Grade: B001
Department: Analytics & insight	Division: A Division Select Division
Reports to: Analytical Insight and Statistics Manager	Contract Type: Temporary
Level of Vetting: Management Vetting	Numbers in Post: 1
Welsh language required No	
B Purpose of the Post	
To provide analytical and research expertise for the Drones Development Programme, preparing and managing the delivery of high-quality products and research relating to the use of new and innovative drone technology. This work supports a commitment to evidence-based policing in accordance with BTP's strategic objectives and performance pillars. The role involves the need for advanced and innovative analytical techniques and technology to support decision making on drone deployment, ensure work is effective, efficient and drives activity, and can clearly articulate the economic benefits that technology delivers.	
C Dimensions of the Post	
The role holder will be expected to work closely with Network Rail counterparts as a part of the Concept of Joint Operations (CJO) Programme delivering collaborative working on drones across both organisations.	
D Principal Accountabilities	
- Manage both qualitative and quantitative analytical work independently, as part of a team or in conjunction with other departments (including external Rail partners). - Provide dedicated analytical support to the Head of Drones Programme and Programme Manager for the Drones Development Programme in the delivery of analysis and research aimed at informing improvements to BTP's operating model and service delivery. - Assist in Identifying good practice nationally and internationally, ensuring continual improvement. - Feed the results of analysis and research into relevant decision-making forums at a senior and local level, ensuring that the Drones Development Programme activities, planning and strategy are based on evidence to ensure effectiveness and efficiency in all aspects of work, specifically in selecting sites and benefits analysis. - Work independently and pro-actively to support the CJO Programme team, other departments, units and individual staff with their analytical needs. - Take the lead role in producing analytical work, which carries a substantial degree of reputational risk or significance and requires the highest level of analytical expertise and advanced subject knowledge. - Apply advanced quantitative and qualitative techniques and use analytical software to identify information gaps, add insight and make recommendations through high quality reports and presentations, detailing options for consideration by senior leaders and the potential impact of such options. - Provide a 'professional judgement' where gaps or insufficient data exist using analytical knowledge, and experience.	

- Continually review the type of information used in the analysis process and the analysis product/technique and recommend improvements using specialist knowledge.
 - Design and develop processes that incorporate new data sets generated by new and emerging technology, liaising with others across industry where appropriate to drive best practice.
 - Represent the Drones Development Programme when engaging with the Aviation Regulator on matters of safety and performance.
 - Conduct benefits cost analysis (monetary and non-monetary) focusing on value for money, in-line with the Treasury Green Book
 - Identify risk and harm through data analysis and consistent scanning of exceptions to assist in protecting the public and keeping the railway running.
 - Use Business Objects, Excel, N*Vivo and other specialist software (Power BI) to enter and analyse data for BTP research projects and consultations.
 - Develop and maintain a database of key indicators and information to track performance and highlight exceptions.
 - Lead on horizon-scanning that monitors external developments in policing, criminal justice and other relevant areas that may influence future BTP Drone capability research, policy and strategy and advise senior officers and managers accordingly.
- Explore innovative research approaches; evaluating and critically appraising data and research sources to draw evidence-based conclusions and recommendations.

E Decision Making

Significant say in decisions

- Make recommendations and decisions to senior management in relation to analytical findings.
- Play a key role in the design and implementation of future operating models.
- Provide advice and guidance to the Drones Development Programme and CJO.
- Advise and guide on the safety case made to the Civil Aviation Authority.
- Identify analytical themes to explore.
- Devise analytical methodologies to meet needs of the Drones Development Programme.
- Determine appropriate opportunities for research.
- Make recommendations on the resources needed, including external support.

F Contact with Others

Internal

- Chief Officers, Heads of Department, Police officers and staff
- Represent the Drones development Programme and CJO when required at both internal and external board level meetings.

External

- Network Rail senior executives, including the CEO.
- Network Rail analytical teams.
- Train Operating Companies and rail industry staff, such as Route Crime Managers or analytical staff.
- Rail Delivery Group (RDG).
- RSSB.
- Her Majesty's Inspectorate of Constabulary (HMIC).
- Victims of crime, passengers, local community/interest groups.
- Passenger Focus and other consumer organisations.
- Association of Train Operating Companies (ATOC).

- Transport Salaried Staffs' Association (TSSA).
- Drone manufacturers and other industry technology providers.
- 3rd parties offering analytical products or services.
- Private and third sector research organisations.
- Universities and other external research bodies.

G Essential Criteria

Qualifications and Training:

A degree in a relevant discipline, preferably with an analytical, economic or statistics component and relevant work experience

Experience:

- Experience of analysing complex and varying datasets to make clear inferences and draw insight and communicating those through either written verbal or presentation format.
- Proven analytical and benefits modelling experience.
- Experience of econometric modelling.
- Trained and experienced in using Microsoft Office applications and databases and the use of 'big data' for the purposes of research and analysis.
- Experience of producing research and analysis using different types of data from a variety of sources.
- Use different IT systems to gather and analyse data and present the results.
- Trained and experienced in giving presentations to a varied audience, both informally and formally. Excellent written and verbal communication skills. Applicants must be able to demonstrate that they have skills in effectively producing a range of reports to a varied audience.

Skills:

- Excellent qualitative and quantitative analytical and research skills.
- Proven problem solving and creative thinking skills, with the ability to 'think outside the box' and devise new and innovative solutions.
- An ability to work with a variety of complex data sets.
- Pro-active working and the ability to work autonomously / without supervision as well as part of a team.
- The ability to liaise with internal and external contacts to establish and develop a two-way exchange of information and data.
- Excellent verbal and written communication skills, with the ability to communicate effectively with a variety of audiences.
- The ability to synthesise and summarise complex information (including statistics) into a user-friendly format.
- Good report writing skills, including editing and proof-reading.
- Strong IT skills, including working knowledge of Microsoft Word, Excel and PowerPoint and Power BI.
- Self-motivated with the ability to work under pressure while producing high quality work.
- Ability to analyse and respond to external developments and identify issues clearly and quickly.

- Prioritisation skills to manage time and workload – the post holder must be able to evidence being able to manage a demanding workload.
- Experience of presenting complex analytical and benefits findings in a variety of formats to a variety of different audiences.

Knowledge:

- Knowledge or interest in drone technology and the issues impacting use of drones
- Understanding and awareness of political environments and is confident in dealing with people at all levels both internally and externally.
- Interest in or working knowledge of programming languages (such as R or Python).
- Advanced knowledge of both analytical and social science research methodology and statistics.

Desirable criteria:

- A further qualification in Analysis (e.g. NIAT)
- Experience of carrying out high level analysis and horizon-scanning in a police, criminal justice or government setting.
- Experience working with new or novel technologies or within innovation projects.
- Familiarity with programming software (such R and Python) and visualization software Power BI.
- Knowledge of the Evidence Based Policing agenda.

H Additional Information

Post holders may require travel to other departments and various locations across the BTP network throughout their role.

For Panel to complete only:

Policy & Reward Team - Approval: D Walker

Date:03/09/2026