

Job Description

Job descriptions should be no more than four pages when complete. **Where you are amending an existing job description you must make the changes using Track Changes.**

Job descriptions must be accurate and created before the recruitment process.

| A Post Details | |
|---|---|
| Job Title: BVLOS Insight Analyst | Grade: B001 |
| Department: Strategy and Performance | Division: FHQ |
| Reports to: Analytical Insight and Statistics Manager | Contract type: 12 Months (FTC) until 31/03/2026, with the possibility of extension subject to funding |
| Level of Vetting: Recruit Vetting | Numbers in Post: 1 |
| Welsh language required No | |
| B Purpose of the Post | |
| <p>The post will be working on BTP's 'Project Falcon', which seeks to test, trial, and operationalise new BVLOS (Beyond Visual Line of Sight) drone technology to reduce disruption on the railway, keep the public safe and improve organisational efficiencies and effectiveness.</p> <p>The post holder will act as an analytical and research expert, preparing and managing the delivery of high quality products and research, leading BTP's commitment to evidence-based policing in accordance with BTP's strategic objectives and performance pillars. They will apply advanced and innovative analytical techniques, and undertake benefits modelling, analysis of benefits and utilise technology to ensure work is effective, efficient and drives activity.</p> | |
| C Dimensions of the Post | |
| <p>Financial – Direct or Non-Direct Non Direct</p> <p>Staff Responsibilities – Direct or Non-Direct Non-Direct: Overseeing and directing the research work of officers and staff members across departments and portfolios.</p> <p>Any Other Statistical Data</p> | |
| D Principal Accountabilities | |
| <p>BVLOS Insight Analyst specific activities:</p> <ul style="list-style-type: none"> • Play a key role within the project team in shaping BTP's future BVLOS drones capability. • Represent Project Falcon at national and strategic level meetings where required. • Assist in understanding the effectiveness and return on investment of project investment. • To lead on performance reporting, ensuring high standards are maintained and identifying developmental or learning needs. • Manage the multitude of existing data sets to establish both a baseline and a future monitoring and reporting methodology to demonstrate BVLOS drone benefits. <p>Generic Duties to Insight Analyst:</p> <ul style="list-style-type: none"> • Manage both qualitative and quantitative analytical work alone, as part of a team or in conjunction with other departments. | |

- Provide support to the Analytical Insight and Statistics Manager, and Head of Analytics in the delivery of a programme of analysis and research development 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 BTP activities, planning and strategy are based on evidence and ensure effectiveness and efficiency in all aspects of work
- Support other departments, units and individual staff with their analytical needs ensuring a proactive approach to all projects.
- To take a lead role in producing the highest-level analytical work, as appropriate, which carries a substantial degree of reputational risk or significance and requires the highest level of analytical expertise and advanced subject knowledge.
- Analyse a range of complex data sets to develop insights and recommendations
- Review the type of information used in the analysis process and the analysis product/technique and recommend improvements using specialist knowledge.
- Identify risk and harm through data analysis and consistent scanning of exceptions to assist in protecting the public and keeping the railway running
- Conduct research projects when required using a variety of social research methodologies and highlight recommendations to improve or enhance service delivery
- Use Business Objects, Excel, SPSS, N*Vivo and other specialist software (Power BI) to enter and analyse data for BTP research projects and consultations.
- Apply advanced quantitative and qualitative techniques and use analytical software to ensure that work is statistically reliable, valid and representative in providing recommendations for policy and practice for the force.
- Develop and maintain a database of key indicators and information in order to track performance and highlight exceptions.
- Produce high-quality reports that explain methodological choices, discuss findings, draw conclusions and make recommendations for consideration by senior officers and managers.
- Identify information gaps and make recommendations based on analysed data to Senior Officers, managers, and external agencies through effective reports and presentations and provide advice on significant analytical results and inferences; detailing options for consideration and the potential impact of such options.
- Monitor external developments in policing, criminal justice and other relevant areas that may influence future BTP research, policy and strategy and advise senior officers and managers accordingly.
- Provide horizon-scanning monitoring external developments in policing, criminal justice and other relevant areas that may influence BTP, feeding this into analysis and advising senior officers and managers accordingly.
- Explore innovative research approaches, evaluating and critically appraising data and research sources in order to draw in evidence-based conclusions and recommendations.

E Decision Making

Scope for impact including where the jobholder has particular authority to make decisions:

Make decisions

Significant say in decisions

- Make recommendations and decisions to senior management in relation to analytical findings
- What analytical themes to explore
- Appropriate research and analytical methodology
- Make recommendations on resources and action to senior staff members

F Contact with Others

Communications and work experience. This includes those people / groups with which the jobholder will have regular contact and how the contact is made, e.g. face-to-face, telephone, e-mail, the frequency (daily, weekly, monthly, occasional) and the purpose of the contact:

Internal

Chief Officers, Heads of Department, Police officers and staff

Represent Project Falcon and the Strategy and Performance department when necessary at board meetings and internal and external meetings

External

Train Operating Companies, Network Rail, and rail industry staff

Rail Delivery Group (RDG)

RSSB

Civil Aviation Authority (CAA)

Her Majesty's Inspectorate of Constabulary (HMIC)

Passenger Focus and other consumer organisations

Association of Train Operating Companies (ATOC)

Transport Salaried Staffs' Association (TSSA)

Private and third sector research organisations

Universities and other external researchers

G Essential Criteria

Qualifications and Training:

Essential Criteria:

Qualifications and Training:

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

A further qualification in Analysis (e.g. NIAT)

Experience:

- Experience of producing complex reports, both alone and as part of a wider team

- Proven research and analytical experience gained through work experience or educational background.

Trained and experienced in using Microsoft Office applications and database 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 of 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 come up with new and innovative solutions to problems.

- Proven social research skills

- Ability to work with a variety of complex data sets

- The ability to work as part of a team and on own initiative

- 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.
- Good interpersonal skills and the ability to work effectively as part of a team.
- 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 managing a demanding workload

Knowledge:

- Understanding and awareness of political environments and 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

Desired Criteria:

Qualifications and Training:

A postgraduate qualification in a relevant discipline, preferably with a statistical, social research methods or criminological component

Experience:

Experience of carrying out high level analysis and horizon-scanning in a police, criminal justice or government setting

Experience of conducting research and policy work on sensitive topics

Experience of presenting analytical and research findings in a variety of formats to a variety of different audiences

Skills:

Familiarity with programming software (such R and Python) and/or statistical packages such as SPSS.

Knowledge:

Knowledge of the Evidence Based Policing agenda

Knowledge of the wider political and socio-economic factors that affect policing and the criminal justice system throughout the United Kingdom and internationally

Awareness of the Schedule 9 payments mechanism and how railway funding is currently structured

Knowledge of the relevant legislation / regulation for the use of Drones and broadly understand the challenges involved

H Additional Information

Travel out to the field (where required) to Project Falcon's initial BVLOS sites across England

The project has established a limited initial BVLOS DIAB (Drone in a Box) capability at key rail disruption hotspots identified with National Disruption Fusion Unit (NDFU) data throughout FY 24/25. Project funding has been secured for expansion and operational scale-up through FY 25/26. Part of this scale-up required comprehensive mapping, baselining, and monitoring/analysis/reporting on the benefits that such drone technology can bring to the force in order to establish a scalable investment case.

For Panel to complete only:

Panel Approval: Kiran Ajimal (5931)

Date:31/01/2025

Please submit with supporting documentation (organisational charts, job descriptions) via the [Hub](#)