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Expert Services - Software Safety Engineer

Ministry of Defence

Apply before 11:55 pm on Sunday 22nd February 2026



Reference number

448372

Salary

£44,100

A Civil Service Pension with an employer contribution of 28.97%

Job grade

Other
Professional II

Contract type

Permanent

Business area

MOD - Defence Equipment & Support - Engineering

Type of role

Engineering

Other

Working pattern

Flexible working, Full-time, Job share, Part-time

Number of jobs available

1

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Location

Stoke Gifford, South West England, BS34 8JH : Great Bricett, East of England, IP7 7RA

About the job

Job summary

At Defence Equipment & Support (DE&S), we supply and maintain vital equipment and services for the Royal Navy, British Army and Royal Air Force. Together, we deliver a vast range of essential defence programmes, and strive for what's next. Because it helps keep our military at the top of their game and our nation safe – for today, and tomorrow.

|

We offer 25+ days' holiday, flexible and hybrid working, enhanced parental leave schemes, shopping discounts, and an exceptional employer pension contribution of 28.97%, to help make work work for you.

This role requires you to have lived in the UK for the last 5 years and obtain Security Check (SC) security clearance. Clearance must be obtained without any caveats that prevent you from carrying out the role you've been recruited for. If it isn't obtained, or is obtained but with caveats that prevent you from carrying out the role, any conditional offer made to you will be withdrawn. Obtaining SC security clearance can be a lengthy process, and we reserve the right to withdraw any conditional offer made if the necessary security clearance isn't obtained within 12 months.

Job description

Are you passionate about safety, environmental protection, and functional safety? Do you have experience or an interest in complex software and hardware? If so, we have an exciting opportunity for you to join our growing Independent Safety and Environmental Assurance (ISEA) team within Expert Services (ES).

The ISEA team is a dynamic group of specialists in safety and functional safety/Programmable Element (PE) assurance. Our mission is to provide independent assurance to safety and environmental responsible staff at all levels, ensuring compliance with legislation, JSP 815, JSP 816, and other lower-level policies such as ASEMIS, regulations, and standards, both defence and civilian where applicable. As an ISEA Specialist, you will bring your

expertise in legal, policy, regulatory, and standards frameworks to support Defence Equipment and Support (DE&S) environments, technologies, or external customers such as the Submarine Delivery Agency (SDA).

You will be working within a significant and expanding assurance area, providing the business with independent safety assurance services across a range of projects and programmes. Collaborating with a team of experts, you will play a key role in delivering assurance services for complex software and hardware systems.

You will have experience with complex software and hardware systems. Knowledge of Defence Standards such as DEF STAN 00-055 and safety standards including IEC 61508, DO-178, and DO-252 would be beneficial.

This is a fantastic opportunity to be part of a growing team that plays a critical role in ensuring safety and environmental compliance across Defence projects.

We champion flexible ways of working. Regular in-person attendance is required (this is expected to be approximately 60% of your working week) to promote the benefits of face-to-face collaboration alongside flexibility of hours to support work-life balance and business need. Initially, you may be expected to attend more frequently to familiarise yourselves with the site, the team, and your role.

What you'll be doing

Lead technical software assurance activities and collaborate with stakeholders to ensure the systems and software we deliver is safe.

Working in a highly regulated area, educate others with relevant legislation, regulation, policy, processes, and standards to provide assurance against technical documentation for a sub-system. This includes the essential relation to safety, security and quality of the system, and the interoperability with other systems.

Identify and analyse software safety acquisition risk reduction measures, ensuring that these are adequately documented and managed.

Develops and maintains ISEA software assurance plans, monitors compliance, and ensures that software assurance is sufficient to demonstrate that systems are safe to operate. Also produces, reviews, endorses, and recommends acceptance of software safety related

artefacts, which includes when equipment/system is operational or being modified.

Person specification

To be successful with your application, you'll need to show that you meet the following essential criteria:

Must have either demonstrable experience of audit and assurance activities to an applicable standard (e.g. ISO 9001, 45001 or 14001).

An understanding of Programmable Elements safety in a defence environment, e.g. DEF STAN 00-055

Hold a Science, Technology, Engineering and/or Mathematics based qualification at Regulated Qualifications Framework (RQF) Level 4; and

Be professionally registered or intend to be professionally registered with a relevant Professional body/institution related to your discipline, as either:

Advanced Registered IT Technician (Adv RITTech) or

Registered Scientist (RSci) or

Incorporated Engineer (IEng)

Note: Alternatives to RQF listed above (which cover England, Wales and Northern Ireland only), is the Scottish SCQF or international equivalent qualification backed up by a statement of comparability from UK ENIC.

In addition to the responsibilities above, the following technical competences and behaviours will be assessed at interview:

Core Behaviour 1: Making Effective Decisions

Core Behaviour 2: Changing and Improving

Technical Competence 1: Safety Management - Awareness

Technical Competence 2: Suitable Systems and Systems Thinking - Practitioner

Benefits

Alongside your salary of £44,100, Ministry of Defence contributes £12,775 towards you being a member of the Civil Service Defined Benefit Pension scheme. [Find out what benefits a Civil Service Pension provides.](#)

25 days annual leave +1 day a year up to 30 days, 8 bank holidays and a day off for the King's birthday

Flexible and hybrid working options

Market-leading average employer pension contribution of 28.97%

Annual performance-based bonus and recognition awards

Access to specialist training and funded qualifications

Support for progression

Huge range of discounts

Volunteering days

Enhanced parental leave schemes

Improving innovation and enriching our culture, diversity of thought is vital to our success. So whether you're looking for a new opportunity, a next step, or a helping hand as you return from a career break, bring your experiences and help deliver for the defence of tomorrow. Here you'll find a supportive, family-friendly organisation to be a part of - and if you need any assistance with your application, just let us know.

#LI-Hybrid

Further Information

Civil Service Recruitment Principles: [Recruitment Principles - Civil Service Commission](#)

Candidate Information Pack: <https://bit.ly/DES-Candidate-Information-Pack>

Terms and Conditions: <https://bit.ly/DES-Terms-and-Conditions>

Civil Service Code: [The Code - Civil Service Commission](#)

Any personal data that you provide during the Recruitment process will be treated in accordance with the MOD Privacy Notice which can be accessed [here](#).

Disability Confident:

Please note as a Disability Confident Leader we want to ensure you receive any reasonable adjustments that you need throughout the recruitment process. If you do require any reasonable adjustments, you can let us know on your online application under the section Please indicate and give details of any reasonable adjustments you may require during the recruitment process.

Conflicts of Interest:

The Ministry of Defence requires all candidates who are successful at interview to declare any outside interests. These declarations will be discussed with successful candidates following the interview process and before a formal offer of employment is made, as some outside interests may not be compatible with MOD civilian roles. This will not, in the majority of cases, prevent employment in MOD, but it is a measure that must be taken to ensure that appropriate mitigations can be put in place to manage any potential, perceived or actual conflicts of interest from the first day of employment.

Things you need to know

Artificial intelligence

Artificial intelligence can be a useful tool to support your application, however, all examples and statements provided must be truthful, factually accurate and taken directly from your own experience. Where plagiarism has been identified (presenting the ideas and experiences of others, or generated by artificial intelligence, as your own) applications may be withdrawn and internal candidates may be subject to disciplinary action. Please see our [candidate guidance \(opens in a new window\)](#) for more information on appropriate and inappropriate use.

Selection process details

Your application will go through the following stages of assessment:

1. Pre-sift - We will check that you meet any essential or eligibility criteria that are listed in the Person Specification section of this advert. On your CV, please clearly show how you meet the essential criteria.
2. Sift - Your CV will be assessed against the following categories, using a simple numerical scoring system: Key Achievements; Relevant Experience; Applied Knowledge and Skills. Please follow our **guidance on CV writing** for best chance of success.
3. Interview - If you're invited to interview, you'll be assessed against the Sift categories listed above, as well as the Technical Competences and Behaviours listed in the Person Specification section of this advert.

Please Note: In the event of a tied score at interview, the Order of Merit will be distinguished based on the ranking of the assessed behaviours and competencies below:

- 1st: Core Behaviour 1
- 2nd: Core Behaviour 2
- 3rd: Technical Competencies
- 4th: CV Review

In the event of a further tie using the method above, we reserve the right to utilise the Lead criterion, and/or an additional assessment.

Feedback will only be provided if you attend an interview.

If you feel that your application has not been treated in accordance with the Recruitment Principles and you wish to make a complaint, in the first instance you should contact department via email: DESHWR-WSCPMOCOMPLAINTS@mod.gov.uk. If you are not satisfied with the response you receive from the Department, you can contact the Civil Service Commission: [Recruitment Complaints - Civil Service Commission](#)

Offering at a lower level

If you're not successful at interview, we may offer you a role at a lower level if this is a match for your skills and experience. If this applies to your

application, you'll be scored against criteria for the lower-level role and offers will be made in merit order. If you accept this position, you'll be able to take advantage of opportunities to develop your career as part of our team.

Feedback will only be provided if you attend an interview or assessment.

Security

Successful candidates must meet the security requirements before they can be appointed. The level of security needed is [security check \(opens in a new window\)](#).

[See our vetting charter \(opens in a new window\)](#).

People working with government assets must complete [baseline personnel security standard \(opens in new window\)](#) checks.

Nationality requirements

This job is broadly open to the following groups:

UK nationals

nationals of the Republic of Ireland

nationals of Commonwealth countries who have the right to work in the UK

nationals of the EU, Switzerland, Norway, Iceland or Liechtenstein and family members of those nationalities with settled or pre-settled status under the [European Union Settlement Scheme \(EUSS\) \(opens in a new window\)](#)

nationals of the EU, Switzerland, Norway, Iceland or Liechtenstein and family members of those nationalities who have made a valid application for settled or pre-settled status under the European Union Settlement Scheme (EUSS)

individuals with limited leave to remain or indefinite leave to remain who were eligible to apply for EUSS on or before 31 December 2020

Turkish nationals, and certain family members of Turkish nationals, who have accrued the right to work in the Civil Service

[Further information on nationality requirements \(opens in a new window\)](#)

Working for the Civil Service

The [Civil Service Code \(opens in a new window\)](#) sets out the standards of behaviour expected of civil servants.

We recruit by merit on the basis of fair and open competition, as outlined in the Civil Service Commission's [recruitment principles \(opens in a new window\)](#).

The Civil Service embraces diversity and promotes equal opportunities. As such, we run a Disability Confident Scheme (DCS) for candidates with disabilities who meet the minimum selection criteria.

The Civil Service also offers a Redeployment Interview Scheme to civil servants who are at risk of redundancy, and who meet the minimum requirements for the advertised vacancy.

Diversity and Inclusion

The Civil Service is committed to attract, retain and invest in talent wherever it is found. To learn more please see the [Civil Service People Plan \(opens in a new window\)](#) and the [Civil Service Diversity and Inclusion Strategy \(opens in a new window\)](#).

Apply and further information

This vacancy is part of the [Great Place to Work for Veterans \(opens in a new window\)](#) initiative.

Once this job has closed, the job advert will no longer be available. You may want to save a copy for your records.

Contact point for applicants

Job contact :

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Recruitment team

Email : Eva.Manley101@mod.gov.uk

