

Service Definition

G-Cloud 15

Cloud Support

Version 1

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Company Overview



About Us

C3IA supports organisations operating in complex environments to design, deliver and sustain capabilities where assurance, resilience and compliance are critical. We provide independent, trusted technical and assurance advice enabling you to operate with confidence, delivered by security-cleared specialists with a proven understanding of government, defence and regulated sectors.

At C3IA, our ethos is simple: to act with integrity, deliver work we stand behind, and focus on outcomes that matter. Our people are practitioners with deep operational and sector-specific expertise, working closely with clients and partners to address mission-critical challenges. We take a practical, disciplined approach, engaged and committed from initial brief through to delivery, providing clarity, consistency and results you can rely on.



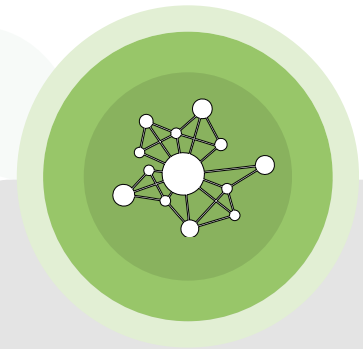
Cyber Security & Assurance

Protecting your data and systems requires trusted, practical cyber security support. Through NCSC-assured risk management and cyber advisory services to penetration testing and Cyber Essentials certification, C3IA supports you to manage risk, meet compliance requirements and strengthen resilience against evolving threats. Deep expertise and ISO-certified processes enable secure operations across physical, virtual and cloud-based critical infrastructure.



Engineering Consultancy

Complex delivery, security and assurance challenges require experienced, practical and pragmatic support. C3IA's tailored consulting and engineering services span risk consultancy, systems engineering, IT service management and project delivery to design and assure resilient, secure cloud solutions aligned to your strategic objectives. Collaborative ways of working and proven methodologies provide the confidence needed to deliver successful outcomes.



Mobile, Deployable Communications

Operating in demanding and contested environments depends on communications that perform reliably wherever they are deployed. Mobile and deployable cloud communication solutions are designed and delivered by C3IA through consultancy, systems engineering and integration services, enabling secure, interoperable networks across dynamic and challenging locations. This capability supports defence, government and other mission-critical operations where dependable connectivity is essential.

Our Accreditations

Assured Service Provider

 in association with
National Cyber Security Centre

Consultancy: Audit & Review

Assured Service Provider

 in association with
National Cyber Security Centre

Consultancy: Risk Management

Assured Service Provider

 in association with
National Cyber Security Centre

Cyber Resilience Audit

DCC

Defence Cyber Certification

CERTIFICATION BODY

Level 0

DCC

Defence Cyber Certification

CERTIFICATION BODY

Level 1

DCC

Defence Cyber Certification

CERTIFICATION BODY

Level 2

DCC

Defence Cyber Certification

CERTIFICATION BODY

Level 3

CYBER ESSENTIALS

CERTIFIED PLUS

CERTIFICATION BODY

CYBER ESSENTIALS

CERTIFICATION BODY

CYBER ESSENTIALS PLUS

APM

Corporate Partner

Chartered Institute of Information Security

UK CYBER SECURITY COUNCIL

IET The Institution of Engineering and Technology

Enterprise Partner

ARMED FORCES COVENANT

EMPLOYER RECOGNITION SCHEME

GOLD AWARD

Proudly supporting those who serve.

JOSCAR REGISTERED

CERTIFIED INFORMATION SECURITY MANAGEMENT SYSTEM

UKAS MANAGEMENT SYSTEMS

0043

CERTIFIED OCCUPATIONAL HEALTH AND SAFETY SYSTEM

UKAS MANAGEMENT SYSTEMS

0043

CERTIFIED ENVIRONMENTAL MANAGEMENT SYSTEM

UKAS MANAGEMENT SYSTEMS

0043

CERTIFIED QUALITY MANAGEMENT SYSTEM

UKAS MANAGEMENT SYSTEMS

0043

Cyber Security & Assurance



Secure by Design

C3IA's Secure by Design (SbD) service embeds security and assurance throughout the development lifecycle, leveraging MOD-honed expertise and industry best practices. We integrate risk management, compliance and continuous monitoring to deliver resilient, cloud-ready solutions. Mitigating risks, minimising vulnerabilities, protecting data and enabling secure, scalable digital transformation.

Features:

- Security architecture design and assurance embedded across all lifecycle stages.
- Comprehensive threat modelling and risk assessment during early design phases.
- Definition and implementation of proportionate, risk-based security controls.
- Supply chain assurance enforcing MOD security standards and contractual compliance.
- Compliance alignment with MOD, NCSC, and CNI regulatory frameworks.
- Independent security testing and assurance, including penetration and vulnerability assessments.
- Through-life security planning ensuring sustained compliance and resilience.
- Continuous risk monitoring and adaptive control management for evolving threats.
- Secure decommissioning with verified data sanitisation and access revocation.
- Knowledge transfer and training to embed Secure by Design principles in teams.

Benefits:

- Reduces cyber risk and operational impact through proactive security assurance.
- Accelerates delivery by integrating security early in design and build.
- Ensures compliance with MOD, NCSC, CNI and industry security standards.
- Minimises vulnerabilities via continuous monitoring and adaptive risk controls.
- Strengthens supply chain integrity with rigorous vendor assurance processes.
- Improves resilience against advanced and evolving cyber threats.
- Simplifies audits and accreditation with comprehensive assurance documentation.
- Protects sensitive data across cloud and hybrid environments.
- Empowers teams with practical security knowledge and best practice adoption.
- Assured secure system retirement and full data sanitisation.

Development, Security and Operations (DevSecOps)

C3IA's DevSecOps service integrates Secure by Design principles into agile delivery pipelines, combining MOD assurance expertise with modern automation practices. We integrate security assurance into agile development pipelines, enabling rapid, compliant delivery without compromising resilience. We embed continuous risk management and proactive compliance to deliver secure, cloud solutions at speed.

Features:

- Secure by Design principles embedded across all development stages.
- Automated security testing and vulnerability scanning integrated in CI/CD pipelines.
- Continuous compliance monitoring aligned to MOD, NCSC, and ISO standards.
- Infrastructure as Code with enforced security policies and guardrails.
- Threat modelling and risk assessment for applications and infrastructure.
- Real time security event detection with automated containment and response.
- Integrated assurance workflows across development, security, and operations pipelines.
- Secure configuration management with automated patching and version control.
- Continuous improvement through retrospectives and post incident security reviews.
- Cloud security controls optimised for hybrid and multi cloud environments.

Benefits:

- Accelerates delivery through secure, automated development and deployment pipelines.
- Reduces business risk by embedding security and assurance from inception.
- Maintains continuous compliance with MOD and other industry regulatory frameworks.
- Improves infrastructure resilience via automated configuration and patch management.
- Enhances threat detection and response with real time security automation.
- Minimises manual effort through automated vulnerability remediation and patching.
- Strengthens governance with integrated assurance across DevSecOps workflows.
- Speeds learning cycles with structured feedback and security driven retrospectives.
- Optimises cloud security posture for hybrid and multi cloud deployments.
- Supports proactive risk management through ongoing assessment and reporting.

NCSC Assured Cyber Security Consultancy

C3IA delivers NCSC Assured Cyber Security Consultancy, providing expert guidance to public and private sector organisations. Specialising in Risk Management, Cyber Resilience, and Audit & Review, we help clients identify, understand and manage information security risks, achieving risk appropriate outcomes using NCSC and HMG best practice.

Features:

- Deliver Risk Management and Audit Services with NCSC Assured consultancy
- Boost Cyber Resilience with NCSC Assured consultancy
- Provide NCSC certified professionals covering all CCP specialisms
- Align services with the NCSC Cyber Assessment Framework (CAF)
- Ensure service lifecycle complies with NCSC and ISO 27001 standards
- Tailored security consultancy for public and private sector organisations
- Comprehensive threat, vulnerability, and risk assessments for clients
- Guidance on achieving and maintaining compliance with HMG best practice
- Support for security strategy, policy development, and implementation
- Ongoing assurance and improvement recommendations for cyber security posture

Benefits:

- Reduces business risk and costs through expert cyber guidance
- Improves compliance with NCSC and HMG security best practices
- Enhances organisational cyber resilience and incident response capabilities
- Streamlines risk management processes for public and private sectors
- Accelerates achievement of security certifications and regulatory requirements
- Increases confidence in security strategy and policy implementation
- Enables proactive identification and mitigation of cyber threats
- Supports continuous improvement of cyber security posture
- Facilitates informed decision making with tailored risk assessments
- Provides ongoing assurance and expert recommendations for improvement

Cyber Security Strategy

Our Cyber Security Strategy service helps organisations assess, design, and implement comprehensive security frameworks to protect digital assets, manage risks, and ensure regulatory compliance. Our practical and cost-effective approach aligns security initiatives and practices with business objectives, enabling resilient operations and supporting secure digital transformation.

Features:

- Security framework assessment and gap analysis to identify improvement areas.
- Risk identification and prioritisation workshops for tailored risk management strategies.
- Regulatory compliance mapping and guidance to meet industry specific requirements.
- Cyber security policy and procedure development for consistent organisational protection.
- NIST, CAF, CRA, ISO27001 and other framework compliance consultancy.
- Cyber security architecture design and review for robust technical defences.
- Disaster recovery planning and readiness to ensure rapid threat mitigation.
- Security awareness training programs to strengthen staff cyber resilience.
- Third party risk management support for secure supplier relationships.
- Ongoing strategy review and improvement to adapt to evolving threats.

Benefits:

- Reduces business risk and operational disruption through proactive security planning.
- Improves regulatory compliance and audit readiness for industry specific requirements.
- Aligns security with business objectives to support organisational growth.
- Enhances digital asset protection against evolving cyber threats and attacks.
- Enables secure digital transformation while minimising vulnerabilities and risks.
- Increases stakeholder and customer trust by demonstrating robust security measures.
- Optimises security investments and resources for maximum value and efficiency.
- Provides alignment against Government and best practice frameworks.
- Supports continuous security improvement through regular reviews and updates.
- Simplifies complex security decision making with expert guidance and frameworks.

Supply Chain Security Assurance

C3IA provides a Supply Chain Security Assurance service that delivers comprehensive risk management, supporting Cloud organisations to achieve IASME Cyber Essentials and Defence Cyber Certification. The service assesses, improves, and verifies supplier cyber resilience, ensuring compliance, reducing vulnerabilities, and strengthening overall supply chain security for public sector and defence environments.

Features:

- Supplier cyber risk assessment and profiling
- IASME Cyber Essentials & Cyber Essentials plus certification support
- MOD & IASME Defence Cyber Certification from L0 to L3
- Supply chain vulnerability identification and mitigation
- Continuous monitoring of supplier cyber resilience
- Compliance verification against public sector standards
- Tailored improvement plans for supplier security posture
- Incident response planning for supply chain threats
- Secure supplier onboarding and due diligence
- Ongoing advisory for evolving cyber risks

Benefits:

- Reduces supplier related cyber risks and vulnerabilities
- Strengthens overall supply chain security posture
- Ensures compliance with public sector and defence standards
- Improves supplier cyber resilience and readiness
- Accelerates achievement of certification requirements
- Enhances incident response capabilities for supply chain threats
- Streamlines secure supplier onboarding processes
- Supports ongoing adaptation to evolving cyber risks
- Minimises business disruption from supply chain cyber incidents
- Provides expert guidance for continuous security improvement

Protective Security

C3IA provides protective security services for cloud environments, including site surveys, vulnerability assessments, consultancy, technical surveillance countermeasures, Facility Security Clearance review, incident response, and business continuity planning. Our service delivers tailored guidance to strengthen access control, upgrade surveillance, and improve emergency response, ensuring robust and resilient security for operations.

Features:

- Physical security site surveys for comprehensive premises evaluation
- Vulnerability assessments to identify and address security gaps
- Security system consultancy for design and management expertise
- Technical surveillance counter measures (TSCM) to detect unauthorised monitoring
- Facility Security Clearance (FSC) review and implementation support
- National Authority for Counter Eavesdropping (NACE) trained consultancy
- RF Spectrum analysis and mapping to detect irregular transmissions
- Expert recommendations for access control and surveillance enhancements
- Assessment and mitigation of unintentional electromagnetic emissions (TEMPEST)
- Through life project management for FSC creation and certification

Benefits:

- Reduces business risk and costs through expert security recommendations
- Improves operational resilience with business continuity planning
- Enhanced protection against all types of espionage
- Enhances emergency preparedness for secure, resilient operations
- Strengthens access control and surveillance for safer premises
- Identifies and addresses vulnerabilities to prevent security breaches
- Supports compliance with FSC, STamP and PSyA requirements
- Increased Client and Stakeholder confidence
- Coordinates incident management for efficient resolution of security events
- Provides consultancy for optimal security system design and management.

Personnel Security Assurance and Training

C3IA delivers tailored training to equip staff in recognising, responding to, and reporting security threats, including phishing, social engineering, and email scams. We offer Vetting as a Service (VaaS) and comprehensive Industry Personnel Security Assurance (IPSA) reviews, helping organisations safeguard cloud hosted sensitive information and maintain robust personnel security standards.

Features:

- Tailored security awareness training for staff at all levels
- Phishing threat recognition and response guidance
- Social engineering prevention techniques and best practices
- Email scam identification and reporting procedures
- Vetting as a Service (VaaS) for personnel screening with UKSV
- Comprehensive Industry Personnel Security Assurance (IPSA) reviews
- Sensitive information protection and handling protocols
- Security policy compliance support and consultation
- Incident reporting and escalation training
- Ongoing security standards improvement recommendations.

Benefits:

- Reduces risk of security breaches and data loss incidents
- Improves staff awareness of phishing and social engineering threats
- Enhances compliance with security policies and regulatory requirements
- Streamlines personnel vetting and screening processes for organisations
- Strengthens protection of sensitive information and confidential data
- Accelerates incident reporting and escalation for faster response
- Supports continuous improvement of organisational security standards
- Reduces business risk and potential financial losses
- Empowers staff to identify and report suspicious activities promptly
- Facilitates expert consultation for tailored security solutions and advice

Security Testing

C3IA's Security Testing services identify vulnerabilities, tests security measures, and simulates real world attacks to protect critical systems. Early risk detection ensures compliance, enhances organisational resilience, and maintains operational integrity, providing robust protection for mission critical environments through methodologies including IT Health Checks, Penetration Testing, and Vulnerability Assessments.

Features:

- Comprehensive IT Health Checks for system integrity and compliance
- Advanced Penetration Testing simulating real world attack scenarios
- Detailed Vulnerability Assessments across networks, apps, and endpoints
- Configuration reviews for servers, firewalls, and critical infrastructure
- Patch management validation to ensure timely security updates
- Risk scoring and prioritisation for identified vulnerabilities
- Secure reporting with actionable remediation recommendations
- Compliance alignment with industry standards and regulations
- NCSC CHECK accredited security testing and reporting standards
- Integration testing for security controls across hybrid environments

Benefits:

- Reduces business risk by identifying and mitigating vulnerabilities early
- Prevents costly breaches through proactive security testing measures
- Improves compliance with regulatory and industry security standards
- Strengthens system resilience against evolving cyber threats
- Enhances operational continuity by minimising downtime risks
- Supports informed decision making with clear risk prioritisation
- Optimises resource allocation for security improvements
- Builds stakeholder confidence through verified security posture
- Accelerates remediation with actionable, prioritised recommendations
- Protects sensitive data and critical assets from unauthorised access

Operational Readiness Testing

C3IA's Operational Readiness Testing validates mission critical systems through active tabletop exercises, accessibility audits, and user experience evaluations. It simulates real world scenarios, identifies gaps, and ensures seamless workflows. By engaging stakeholders and testing usability, it strengthens resilience, compliance, and performance for reliable operations under dynamic conditions.

Features:

- System design and assurance for mission critical environments
- Help choosing systems and vendors for optimal performance
- Tabletop exercises simulating real world operational scenarios
- Accessibility audits ensuring compliance and inclusivity standards
- User experience evaluations for intuitive and efficient workflows
- Gap analysis and remediation planning for readiness improvement
- Performance benchmarking under dynamic operational conditions
- Integration testing across platforms and communication networks
- Stakeholder engagement and collaborative readiness validation sessions
- Comprehensive reporting with actionable insights and recommendations

Benefits:

- Reduces deployment times through pretested workflows and systems
- Minimises operational risk by identifying gaps before live missions
- Improves accessibility compliance for diverse user environments
- Enhances user experience with intuitive, tested interfaces
- Strengthens team coordination via realistic tabletop exercises
- Optimises system performance under simulated stress conditions
- Cuts remediation costs through early detection of vulnerabilities
- Boosts stakeholder confidence with validated readiness reports
- Supports faster decision making through actionable insights
- Ensures interoperability across platforms for seamless operations

Cyber and Cloud Specialist Training

C3IA's Specialist Training provides NCSC Assured cyber and cloud security education, offering customised training packages for Defence, Government and private organisations. This training ensures teams acquire the critical knowledge required to fully understand threats to cyber and cloud environments, implement effective defensive measures, and safeguard cryptographic assets throughout their lifecycle.

Features:

- NCSC Assured cyber security and cloud training programmes
- Training customised to organisational cyber risk profile and operational requirements
- Comprehensive information risk management and data protection education
- On site or virtual delivery of NCSC cryptographic management training
- Alignment of training with strategy and support for Training Needs Analysis
- Led by specialists in C4ISR, ICT, and information assurance fields
- Courses designed within ISO 9001 and ISO 27001 accredited frameworks
- Expert training consultancy for Defence and other government departments

Benefits:

- Mitigates cyber and cloud incidents, strengthening operational resilience organisation wide
- Enhances incident response speed and elevates overall threat awareness
- Drives greater adherence to organisational security policies and procedures
- Fosters proactive security culture to minimise business risks and costs
- Strengthens protection of sensitive data throughout business operations
- Reduces risk of human error while increasing employee confidence
- Facilitates regulatory compliance and visibly demonstrates security commitment
- Minimises downtime and operational costs through robust security practices

Engineering Consultancy



Service Management

C3IA's Service Management delivers end-to-end IT operations support, applying ITIL and SIAM best practices for structured control and continual improvement. Our integrated approach ensures multi-supplier coordination, governance, and compliance. Empowering organisations to achieve secure, resilient and scalable digital transformation with optimised performance and cost efficiency.

Features:

- Incident Management for identifying, logging, and resolving service disruptions.
- Change Management for controlled planning and implementation of updates.
- Problem Management using root cause analysis to eliminate recurring issues.
- Service Request Fulfilment for handling user requests and provisioning services.
- Configuration Management maintaining accurate records of assets and relationships.
- Integrated SIAM for coordinating multiple suppliers and service interfaces.
- Continual Improvement processes for assessing and enhancing service performance.
- Knowledge Management for capturing and sharing operational information effectively.
- Service Level Management for monitoring and reporting against agreed targets.
- ITIL-aligned Governance for control and compliance with best practice.

Benefits:

- Reduces operational risk and cost through proactive incident management.
- Improves reliability and user experience via continual service improvement.
- Speeds issue resolution, minimising downtime and business disruption.
- Strengthens compliance and accountability with ITIL-aligned governance.
- Boosts productivity by streamlining access to IT resources.
- Enables seamless collaboration across providers through integrated SIAM.
- Optimises asset utilisation and reduces waste via accurate configuration.
- Empowers informed decisions through robust knowledge management.
- Enhances transparency with clear service level reporting and insights.
- Supports secure, agile digital transformation for scalable operations.

Application Management

C3IA's Application Management service provides end-to-end lifecycle support for business-critical applications, ensuring performance, scalability and adaptability in dynamic cloud environments. Our service covers proactive monitoring, optimisation, version control and integration. Reducing downtime, improving user experience and enabling organisations to innovate confidently while aligning with evolving technology and business needs.

Features:

- Proactive application monitoring with predictive analytics for performance optimisation.
- Automated patching and version control to maintain stability and security.
- 24/7 incident detection, triage, and resolution management.
- Continuous health checks and availability assurance across all environments.
- Configuration and change management with rollback and audit capabilities.
- Seamless integration with cloud-native platforms and enterprise ecosystems.
- Role-based access and identity management for secure user operations.
- Compliance monitoring with automated reporting for regulatory adherence.
- Dynamic capacity planning and auto-scaling for peak performance.
- Regular service reviews with actionable insights and optimisation roadmaps.

Benefits:

- Minimises downtime and disruption through proactive monitoring and rapid response.
- Maintains security and compliance with automated updates and reporting.
- Accelerates incident resolution for uninterrupted business operations.
- Enhances application performance and user experience across all platforms.
- Optimises resource utilisation, reducing operational costs and inefficiencies.
- Supports continuous improvement and futureproofing of application environments.
- Reduces operational risk through robust governance and change control.
- Frees internal teams to focus on strategic innovation and growth.
- Ensures scalability to meet evolving business and technology demands.
- Delivers actionable insights for informed decision-making and long-term planning.

Business Analysis

C3IA's Business Analysis service delivers expert insight to align technology with strategic objectives. We define clear requirements, map processes and identify optimisation opportunities across cloud and enterprise environments. Our approach enables informed decision-making, cost efficiency and risk reduction. Supporting seamless transformation and measurable business outcomes throughout the change lifecycle.

Features:

- Comprehensive cloud readiness assessment and gap analysis for strategic planning.
- Structured requirements engineering and documentation for transformation initiatives.
- Stakeholder engagement and facilitation using proven analysis frameworks.
- End-to-end business process mapping and optimisation for efficiency gains.
- Solution evaluation and vendor selection based on objective scoring models.
- Risk identification and mitigation planning across technical and organisational domains.
- Detailed cost-benefit analysis and benefits realisation tracking.
- Change impact assessment and organisational readiness planning.
- Data migration strategy development with quality assurance checkpoints.
- Performance measurement and continuous improvement recommendations post implementation.

Benefits:

- Accelerates transformation by providing clear, actionable insights and requirements.
- Reduces migration risk and ensures uninterrupted business continuity.
- Optimises processes for measurable efficiency and productivity improvements.
- Aligns technology solutions with strategic business objectives and outcomes.
- Improves stakeholder confidence through transparent analysis and decision support.
- Delivers cost savings through informed vendor selection and resource planning.
- Maximises ROI by tracking benefits realisation throughout the lifecycle.
- Enhances data integrity and migration success rates.
- Supports organisational readiness and smooth change adoption.
- Drives continuous improvement and long-term value creation.

Digital Architecture

C3IA's Digital Architecture service delivers robust technical frameworks assurance, tailored solution designs and integrated security controls. We enable scalable cloud adoption, seamless system integration, and resilient infrastructure. Our approach ensures compliance, optimises performance and safeguards data, empowering organisations to innovate securely and efficiently across their digital transformation journey.

Features:

- Technical framework application and design for scalable cloud environments
- Solution architecture tailored to business requirements
- Integrated security controls for data protection
- System integration across cloud, on premises platforms and infrastructure
- Compliance assurance with industry standards and regulations
- Performance optimisation for cloud-based applications
- Resilient infrastructure planning and implementation
- Cloud migration strategy and execution support
- Ongoing digital architectural reviews and improvements
- Vendor agnostic technology recommendations and selection guidance

Benefits:

- Accelerates cloud adoption and digital transformation initiatives
- Reduces transition deployment times for new systems and solutions
- Enhances data security and regulatory compliance
- Improves system reliability and business continuity
- Optimises performance of cloud based applications and infrastructure
- Minimises risk and operational costs by identifying technical coherence possibilities
- Enables seamless integration of legacy, current and modern future platforms
- Supports scalable growth and future proofing strategies
- Streamlines vendor selection and technology decision making
- Empowers teams to innovate securely and efficiently

Planning and Delivery

C3IA offers expert planning and delivery support for secure cloud services. Our comprehensive approach involves working collaboratively with clients to assess needs, design tailored solutions, and actively manage risk, ensuring seamless, compliant transitions and measurable results that align precisely with each organisation's strategic objectives and operational requirements.

Features:

- Planning and delivery support through collaborative client and stakeholder engagement.
- Tailored solution design for unique organisational requirements
- Comprehensive risk assessment and proactive risk management
- Secure transition planning for cloud service adoption
- Compliance assurance throughout planning and delivery phases
- Strategic alignment with organisational objectives and needs
- Measurable results tracking and performance evaluation
- Holistic and interdisciplinary expert support from initial assessment to delivery
- Application of appropriate methodologies to achieve optimum service implementation
- Continuous improvement and optimisation of cloud solutions

Benefits:

- Reduces deployment times for secure cloud service transitions
- Minimises business risk through comprehensive risk management
- Ensures compliance with regulatory and organisational requirements
- Improves alignment with strategic objectives and operational needs
- Enhances visibility with measurable results and performance tracking
- Streamlines planning and delivery processes for cloud adoption
- Increases efficiency through tailored solution design and support
- Strengthens security posture during cloud migration and implementation
- Optimises cloud solutions for continuous improvement and value
- Provides expert guidance, reducing complexity and uncertainty for users

P3M Delivery

C3IA's P3M Delivery service is designed to provide structured support for project, programme, and portfolio management (P3M) activities delivered by qualified experts (MoP, MSP, SAFe). Our service helps organisations in digital delivery to GDS standards, specifically in cloud change initiatives, ensuring alignment with strategic objectives and maximising value from investments.

Features:

- Structured P3M support, drive and assurance.
- Alignment with Government Digital Service (GDS) standards
- Expertise in digital transformation and cloud change initiatives
- Strategic planning and delivery assurance
- Benefits realisation and value maximisation
- Risk management, treatment and mitigation strategies
- Stakeholder engagement, capability lifecycles and communication frameworks
- Performance measurement and reporting tools
- Team design, resource allocation and optimisation guidance
- Continuous improvement and lessons learned from experience integration

Benefits:

- Accelerates project delivery and reduces time to value
- Improves alignment with Business Cases, organisational strategy and objectives
- Reduces business risk through structured risk management
- Enhances stakeholder engagement and communication effectiveness
- Maximises benefits and return on investment for digital initiatives
- Increases transparency with performance measurement and reporting
- Optimises team design, resource allocation and utilisation
- Supports continuous improvement and lessons learned from experience integration
- Ensures compliance against Government Digital Service (GDS) standards
- Strengthens delivery assurance and benefits realisation

Digital PMO Service

C3IA's Digital PMO Service delivers expert P3M, governance, and assurance for cloud transformation initiatives. Our experts enable organisations to plan, control, and deliver digital projects efficiently, ensuring alignment with strategic goals, risk mitigation, and measurable outcomes through highly experienced consultants and proven methodologies.

Features:

- P3M governance and oversight for cloud transformation initiatives
- Strategic alignment of digital projects with organisational objectives
- Risk identification, assessment, and mitigation planning
- Resource planning and allocation for project delivery
- Stakeholder engagement and communication management
- Performance tracking and project progress reporting
- Quality assurance and regulatory compliance monitoring
- Information and Change management support for digital adoption
- Benefits realisation and outcome measurement
- Experienced consultants using proven project management methodologies.

Benefits:

- Accelerates programme and project delivery and reduces time to value.
- Improves alignment of programmes/projects with organisational strategy and goals.
- Reduces business risk through proactive risk management.
- Optimises resource allocation and utilisation for greater efficiency.
- Enhances stakeholder engagement and communication effectiveness.
- Increases transparency with regular performance analysis and progress reporting.
- Ensures compliance and quality through robust assurance processes.
- Enhances access to information supporting decision gates and change control.
- Maximises benefits realisation and measurable programme and project outcomes.
- Provides expert guidance from experienced P3M professionals.

Digital Transformation

C3IA's Digital Transformation service empowers organisations to reimagine operations and unlock innovation through tailored strategies, process redesign and technology enablement. We deliver end-to-end support for cloud adoption, automation, and data-driven decision-making. Enhancing customer experience, improving agility and ensuring measurable outcomes that future-proof your business in an evolving digital landscape.

Features:

- Tailored digital strategy development aligned to organisational vision and objectives.
- Cloud migration planning with seamless implementation and risk mitigation.
- Business process redesign and workflow optimisation for efficiency and scalability.
- Technology integration across legacy systems and modern platforms.
- Structured change management and stakeholder engagement throughout transformation.
- Advanced data analytics and insights for evidence-based decision making.
- Cybersecurity assessment and embedded risk controls for secure transformation.
- Agile programme and project management for rapid delivery and adaptability.
- Training and upskilling programmes for digital tools and cultural adoption.
- Post implementation support with continuous improvement and innovation roadmaps.

Benefits:

- Accelerates digital adoption and innovation across all business functions.
- Reduces operational costs through automation and process optimisation.
- Enhances customer experience with streamlined digital first workflows.
- Improves decision making using real time data and predictive analytics.
- Increases organisational agility to respond quickly to market changes.
- Strengthens cybersecurity posture and reduces transformation related risks.
- Boosts workforce productivity with modern tools and digital skills.
- Shortens deployment timelines for new technologies and services.
- Supports continuous improvement and futureproofing of digital investments.
- Delivers measurable business outcomes and maximises return on transformation spend.

Capability Integration

C3IA's Capability Integration service delivers expert technical consultancy across Defence Lines of Development (DLOD), ensuring seamless coordination of people, processes, technology, tools, information and partners. Our service enables defence organisations to optimise cloud capability acquisition and delivery, enhance operational effectiveness, and achieve strategic objectives through integrated planning, assessment, and implementation.

Features:

- Defence Lines of Development assessment, integrated planning and harmonisation
- Technical and business consultancy for coherent cloud capability delivery
- Stakeholder engagement and cross domain solution coordination
- Cloud migration strategy and service optimisation support
- Process and workflow integration for enhanced operational effectiveness
- Technology and information alignment across defence functions
- Risk identification and mitigation for cloud integration projects
- Implementation support for strategic objectives and transformation
- Performance measurement and continuous improvement guidance
- Change management and transition planning expertise

Benefits:

- Accelerates cloud migration and capability deployment
- Reduces operational risk and project interoperability uncertainty
- Enhances cross functional collaboration and stakeholder alignment
- Improves process efficiency and workflow integration
- Optimises technology utilisation and information coherence management
- Strengthens strategic planning and improves decision making
- Increases adaptability to change and transformation, reducing impact.
- Supports continuous improvement and performance measurement
- Minimises transition disruption and business impact
- Enables achievement of defence level and business strategic objectives

Digital Interoperability and Integration

C3IA provides expert technical integration and cyber security assurance for multi-domain CIS and cross domain interoperability services, enabling secure digital interoperability and robust data exchange. We support all aspects of multinational (including FVEYs) and intra/inter-governmental interoperability capability across the acquisition lifecycle including support to ongoing operations.

Features:

- Technical integration of multi-domain and cross domain environments
- FVEYs and other multinational and cross-government CIS interoperability expertise
- Secure data exchange across segmented trust zones and partners
- Compliance support for UK government and international standards
- Architectural analysis and validation of gateway and cross domain solutions.
- Secure interoperability and integration system design
- Risk assessment and mitigation for cloud integrations
- Automation of interoperability processes and workflows
- Consultancy for secure cloud migration and transformation
- Specialist guidance for resilient, future-ready cloud operations

Benefits:

- Reduces deployment times for multi-domain and cross-domain integrations
- Enhances multinational (including FVEYs) and x-Government CIS interoperability capabilities.
- Enhances secure data exchange across trust zones and between partners
- Ensures compliance with government and international standards
- Provides validation and verification of gateway and cross domain solutions
- Validates system design for resilient cloud operations
- Mitigates risks in cloud integration projects
- Streamlines interoperability processes with automation
- Accelerates secure cloud migration and transformation
- Future proofs operations with specialist guidance and support

Crypto Management

C3IA offers specialised Crypto Management Services to Defence, Government and private organisations tailored to client's needs. Our highly experienced, security cleared Crypto Custodians, Accountants and Trainers provide management and training that deliver the highest standards of security of ICS and Cloud cryptographic material throughout all stages of its lifecycle.

Features:

- DV cleared specialists delivering secure cryptographic management support services
- Adherence to buyer's established processes, ensuring seamless operational integration
- Expert guidance on crypto management, accounting and compliance matters
- NCSC assured cyber risk assessment of governance and procedures provided
- Comprehensive equipment accounting using ACM, MJDI and CODES systems
- Secure receipt and despatch of electronic keys via EKMS, DEKMS
- Cloud-based cryptographic key management for secure digital environments
- Electronic key loading onto Crypt Key (CK) devices for distribution
- Full compliance with JSP440, JSP490 and JSP491 security standards
- High quality Crypto Custodian and Accountant training delivered by experts

Benefits:

- Strengthens confidentiality, integrity, and non-repudiation, reducing operational vulnerabilities.
- Ensures full compliance with UK Government security policies, minimising regulatory risk.
- Centralises cryptographic material management, streamlining key control and accountability.
- Reduces likelihood of cyber security incidents, safeguarding critical business information.
- Guarantees safe storage and transit of cryptographic material, lowering data breach risk.
- Delivers expert cryptographic management training, improving staff proficiency and compliance.
- Accelerates deployment times with efficient electronic key distribution processes.
- Minimises business risk and costs through robust cyber risk assessments.
- Optimises equipment accounting and reporting, enhancing asset visibility and accuracy.
- Supports seamless integration with buyer's processes, boosting operational efficiency.

Artificial Intelligence/Machine Learning (AI/ML) Integration

C3IA provides secure integration of AI/ML into MOD cloud platforms, collaborating with technology providers and MOD CIS suppliers. Our expert team supports safe, effective deployment, enhancing decision making and security for operational deployments across cloud, communication, and information environments, drawing on our technical, programmatic, architectural and cyber security expertise.

Features:

- Technical and architectural assurance for secure AI/ML integration
- Security assurance for AI/ML deployment on MOD cloud platforms
- Development and review of robust integration architectures
- Support for technical scrutiny and approvals processes
- Guidance for senior MOD decision makers on AI/ML adoption
- Liaison between AI/ML vendors and MOD capability owners
- Identification of operational gaps for AI/ML intervention
- Development, testing, and validation of AI/ML solutions
- Definition and refinement of AI/ML user requirements
- Expert consultancy for safe, effective AI/ML integration

Benefits:

- Accelerates secure deployment of AI/ML capabilities across MOD platforms
- Reduces operational risk through robust technical and security assurance
- Enhances decision making with advanced, integrated AI/ML solutions
- Improves collaboration between MOD, CIS suppliers, and AI/ML vendors
- Streamlines approvals, gate decisions and compliance for AI/ML deployments
- Identifies and addresses operational gaps with targeted AI/ML interventions
- Optimises user requirements for effective AI/ML solution delivery
- Strengthens cyber security posture for MOD cloud environments
- Reduces time and cost for AI/ML integration projects
- Supports safe, scalable adoption of AI/ML technologies

Capability and Acquisition Management

C3IA delivers expert capability and acquisition management for digital and cloud solutions, supporting clients throughout the entire lifecycle. Services range from initial gap analysis to integration, operational service, and disposal, with bespoke support designed to maximise and integrate clients' operational effectiveness.

Features:

- End-to-end capability and acquisition management for cloud solutions
- Comprehensive gap analysis to identify operational shortfalls and improvement areas
- Bespoke planning to execute procurement within funding and resource constraints
- Support throughout the digital and cloud solution lifecycle
- Operational service management for seamless cloud adoption and assurance
- Management of concept, assessment, demonstration, delivery and transition to service
- Vendor selection and system assurance guidance
- Risk management and compliance advisory for cloud migration
- OBC and FBC Business Case initiation, development and management
- Continuous improvement recommendations for operational effectiveness

Benefits:

- Accelerates cloud adoption and operational readiness for organisations.
- Reduces business risk through expert gap analysis and planning.
- Improves integration efficiency with tailored, agnostic, client-focused strategies.
- Enhances service reliability by supporting lifecycle management.
- Minimises downtime during migration and transition phases.
- Optimises vendor selection, ensuring best fit solutions and assurance.
- Strengthens compliance and risk management for cloud migration.
- Streamlines business case development for faster decision making.
- Supports continuous improvement, driving operational effectiveness.
- Increases stakeholder confidence with transparent, expert guidance throughout projects.

Digital Identity and Access Management

C3IA's Identity and Access Management service provides comprehensive control over access to IT systems, applications, and data by employing rigorous security measures and effective identity and access management protocols. Adopting new technologies and security measures helps organisations enhance user services, system integration, and interoperability.

Features:

- Analyse business context aligning digital identity access management with objectives
- Develop comprehensive identity and access strategy for secure digital operations
- Design scalable architecture supporting multi-channel and multi-device access
- Plan and manage the full identity and access management transformation
- Design the digital identity and access management processes
- Define precise technical and business requirements for implementation
- Evaluate and select the identity and access management solutions
- Deliver detailed solution designs tailored to organisational needs
- Implement robust identity and access technology across all environments
- Embed governance frameworks for ongoing security and compliance

Benefits:

- Improves control of access to IT systems, applications and data.
- Enhances IT security and interoperability.
- Unlock new business opportunities by streamlining identity management processes.
- Standardise identity integration, reducing platform complexity and manual work.
- Enforce stronger access controls so only authorised users access resources.
- Safeguard privileged assets with advanced protection, minimising data breach risks.
- Accelerate secure access provisioning, improving employee productivity and responsiveness.
- Transform technology and operations for efficient, streamlined identity management workflows.
- Enforce governance and audit trails to minimise compliance risks.
- Reduced dependencies on multi-network infrastructure.

Mission Service Assurance (MSA)

C3IA delivers Mission Service Assurance (MSA) by comprehensively supporting the end-to-end assurance of the planning, implementation, operation, and security of mission networks, systems, and services. Our approach ensures all services are managed in accordance with established organisational governance frameworks, security requirements and SLAs thereby maintaining operational effectiveness & security assurance.

Features:

- Capability management aligned with robust security policy compliance
- Implementation and oversight of Capability Governance authorities
- Fostering business satisfaction and confidence in IT service delivery
- Comprehensive support for Service Desk, Event, Incident, and Problem management
- Consistent service delivery to meet agreed Service Level Agreements
- P3M practices to optimise time, cost, and performance outcomes
- Proactive management of MSA risks for new or modified services
- Effective change management enabling improvements with minimal disruption
- Collaborative SQEP consultants focused on knowledge transfer
- Analysis of organisational change trends to identify improvement opportunities

Benefits:

- Accelerates digital transformation, streamlining business operations for efficiency
- Strengthens security measures, ensuring full compliance with policies
- Facilitates clearer decision making for capability investments
- Complements IT service management, standardising organisational processes
- Maximises outcomes by assuring and harnessing cloud service advantages
- Boosts operational efficiency through improved services and capabilities
- Creates additional value by implementing service enhancements
- Builds user trust with confident and reliable service delivery
- Ensures all developments are assured from the outset
- Supports continuous improvement through spiral capability development

System Engineering

C3IA's Systems Engineering service delivers expert management of both technical and non-technical complexities throughout project lifecycles. By applying systems thinking and rigorous, repeatable engineering processes, the service interprets specifications, captures user requirements, informs design, and ensures comprehensive, high-quality outcomes for clients in accordance with industry standards and P3M methodologies.

Features:

- Conducting business analysis, conceptual definition, and solution development.
- Requirement Management; CONEMP, CONUSE, URD, and SRD definition and development.
- Developing architectures that conform to standards and support scalable solutions.
- Creating high-level designs, low-level designs, and service design packages.
- Integrating system components and interfaces with external systems.
- Performing verification to ensure the solution satisfies user needs.
- Conducting validation to confirm the solution complies with specified requirements.
- Implementing solutions into operational environments, including training and deployment activities.
- Applying tailored Waterfall and Agile engineering methodologies appropriately.
- Adhering to ISO/IEC15288, APMP, PRINCE2, SAFe/Agile, and ITIL best practices.

Benefits:

- Transforms complex issues into clear, actionable solutions for users.
- Defines operational concepts, improving project clarity and execution.
- Ensures requirements are fully traceable and well documented.
- Enhances design documentation, simplifying development and deployment.
- Accelerates capability integration, driving rapid digital transformation.
- Optimises solutions to fit organisational needs and environments.
- Aligns processes with recognised industry and security standards.
- Applies tailored engineering methods to meet project demands efficiently.
- Simplifies complex challenges, delivering actionable and future ready solutions.
- Clarifies operational concepts, streamlining project understanding and execution.

Mobile, Deployable Communications



Instant Connect Enterprise (ICE) Networking

C3IA designs, engineers and integrates Instant Connect Enterprise Networking delivering secure, interoperable voice and data communications across radio, IP, LTE, 5G, and Mobile Ad Hoc Networking (MANET) networks, enabling dynamic talk groups, automated workflows, and real-time situational awareness for mission critical operations.

Features:

- Network design, engineering, integration services, supporting deployed use cases
- Operational service and capacity planning
- Engineering support for experimentation, trials and exercises
- Training for experimentation, trials and exercises
- Deployment and engineering service, maintaining network performance
- Loan and demonstration service
- Through life support, service support, maintenance, repair

Benefits:

- Dynamic talk groups for real time collaboration
- Cross network interoperability
- Serverless and sever-based flexibility
- Enhanced situational awareness
- Secure end-to-end communications
- Automated operations logging
- AI powered translation and transcription
- Rapid integration with existing infrastructure
- IoT driven workflow automation
- Scalable enterprise and tactical applications

MANET Engineering and Integration

C3IA engineers and integrates Silvus MANET solutions for secure, self-forming IP networks. These systems deliver high-capacity connectivity, enable cloud integration, and support unmanned platforms for resilient, mission-critical communications. C3IA design and implement architectures that extend MANET across enterprises, ensuring reliable connectivity between edge devices and cloud services.

Features:

- Network design, engineering, integration services supporting deployed use cases
- Operational service and capacity planning
- Engineering support for experimentation, trials and exercises
- Integration into autonomous and robotic systems
- Training for operations, experimentation, trials and exercises
- Deployment and engineering service, maintaining network performance
- Loan and demonstration service
- Highly secure, MOD approved FIPS140-3 level 2 AES256 encryption
- Through life support, service support, maintenance, repair

Benefits:

- Infrastructure free connectivity critical for operations in remote, contested environments
- Self-forming and self-healing networks ensuring continued resilience
- MN-MIMO waveform supports high data throughput and massive scalability
- Data streams intelligently adapt routing for optimal performance
- Advanced waveforms and algorithms ensure resilience against EW and jamming
- Seamless integration with global IP networks and SATCOM
- MANET enables secure, low-latency control for autonomous systems
- Integration with tactical systems enhancing situational awareness
- Compact, ruggedised design ensures high mobility and mission flexibility
- Secure end-to-end communications

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