

Digital Forensic Proficiency Testing and Ground Truth Data Services

Lot 3 – Support

G-Cloud 14 Service Definition Document

CACI

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1. Description of Service

- CACI's ISO 17043:2023 accredited Digital Forensics Proficiency testing (DFPT) schemes are aimed at providing quality assurance. Comparison of digital forensic processes against other organisations enables laboratories to evaluate and improve performance and maintain and fulfil new statutory accreditation requirements.
- Our (DFPT) services have been designed specifically for Law Enforcement related clients who are involved in the investigation of offences involving data from computer, mobile and cloud sources. Our DFPT services will test the capabilities of Digital Forensics Laboratories and provide valuable information from other anonymised participants which can be used to identify improvements.
- Each scheme provides physical devices which are delivered to your lab packaged as police exhibits and will come with a submission document. allowing participants to test their full end to end Digital Forensic processes.
- Participation over a 4-year cycle will ensure that each participant covers their entire accreditation scope across all Mobile and Computer based devices.
- CACI's Ground Truth Data (GTD) service, CACI shall design datasets which will be seeded onto test devices and provided to clients with all associated documentation. GTD devices are designed for the completion of validation studies in compliance with ISO/IEC 17025 and FSR Codes. Whilst producing GTD devices, CACI will utilise ISO/IEC 17043 accredited test item creation methods.

2. Features and Benefits

Features include:

- Full 'End-to-end' test of systems and processes.
- Secure web-based PT portal used during participation to access. scheme information, scheme content and documents.
- Actual physical test devices are deployed, across the following device types:
 - Computer acquisition scheme.
 - Computer processing and analysis scheme.
 - Mobile phone acquisition processing and analysis scheme.
- Crime scenario content spread across all devices.
- Exhibit packaging used to enable the storage and continuity of items to be tested.
- Case background document enables the creation of a digital forensic strategy.
- Detailed participation report and ongoing cumulative reports provided.
- Multiple cycles of each scheme available throughout each year.
- GTD features include the same 3 schemes, Computer Acquisition, Computer Processing & Analysis and Mobile Acquisition, Processing & Analysis.
- GTD devices will be selected by CACI Ltd based upon forensic tool support and end-user requirements.
- The dataset seeded onto each GTD device will contain a wide range of artefacts and various technical attributes that are intended to test a wide variety of forensic tool configuration and end-user requirements, alongside device and forensic tool configuration.

Benefits include:

- Schemes are accredited by UKAS to the following standards:
 - ISO/IEC 17043 for Digital Forensic Proficiency Testing services. (See UKAS Website for current scope.)
 - ISO/IEC 17025 for Digital Forensic testing activity used during the creation and marking of PT. (See UKAS Website for current scope.)
 - UKAS assessed compliance to Forensic Science Regulator Codes of Practice and ILAC G19.
- Secure laboratory environment with extensively vetted staff.
- Trained and experienced staff, all with ex-Police DFU backgrounds.
- Extensively documented processes supports the traceability of all activity.
- 4-year participation ensures full scope of accreditation across Computer and Mobile based devices is assessed.
- Courier service ensures convenience and efficiency for participants.
- Whilst producing GTD devices, CACI will utilise ISO/IEC 17043 accredited test item creation methods.
- All associated creation logs, testing results and dataset documentation will be provided to the client with each GTD device.

3. Implementation Plan

EASY ACCESS AND EFFICIENT ENGAGEMENT

- CACI will discuss Participant organisation's requirements to establish whether the Scheme Specifications fulfil their requirements and whether the participant is eligible to participate based upon their laboratory purpose or processes.
- Where eligibility and suitability has been established, CACI will discuss timescales for participation and identify which schemes and which cycles are required by the participant.
- Once service requirements are understood, and costs and timescales for requested services are agreed between DFL and Client the Terms and conditions document will be sent to the participant for signing. This contains contractual requirements and a current version of the 'Statement of Work' document which contains additional information and important requirements relating to participation.
- This process enables CACI to assess the impact of the service request upon current and planned activities to ensure that resource is available to perform the agreed work within the agreed delivery timescales.

4. Quality Assurance

COMPREHENSIVE QUALITY ASSURANCE

QUALITY AND SERVICE MANAGEMENT

- CACI's Digital Forensic Laboratory holds accreditation to ISO/IEC 17043:2023 for proficiency testing services and accreditation to ISO/IEC 17025:2017, with compliance to ILAC G19:06/2022 and Forensic Science Regulator's Code of Practice for digital forensics testing activities used during proficiency testing services. Please see the following schedules of accreditation for our current scope of accreditation:
 - ISO/IEC 17025: [25971 Testing Single \(ukas.com\)](#)
 - ISO/IEC 17043: [25971 Proficiency Testing Single \(ukas.com\)](#)
- CACI's Digital Forensic proficiency testing services are performed in compliance to a Quality Management System which meets the requirements of ISO/IEC 17043, ISO/IEC 17025 with compliance to FSR Codes and ILAC G19. Quality controls are embedded throughout the delivery of all Digital Forensic proficiency testing services to ensure continuing compliance to accreditation standards.
- Our accredited Digital Forensic proficiency testing services are governed by the SAI and Laboratory Senior Management Team to ensure continuing suitability and compliance.
- CACI's GTD service will utilise ISO/IEC 17043 accredited test item creation methods.

5. Information Assurance and Security

CACI is ISO 27001, ISO 17025, ISO 17043 and CYBER ESSENTIALS+ ACCREDITED, which includes assessed compliance to Forensic Science Regulator Code of Practice (FSR Codes) and ILAC G19

SECURITY MANAGEMENT

- CACI is committed to ensuring its people, processes, data and technologies are secured in line with statutory requirements and industry best practice. CACI maintains an Information Security Management System certified to ISO/IEC 27001 by a UKAS accredited auditor (BSI), the scope of which covers all CACI's services. Our Cyber Essentials+ certification covers the entirety of CACI's business.
- In addition, CACI has been assessed by UKAS and granted accreditation to ISO/IEC 17025 with compliance to FSR Code of Practice and ILAC G19. This ensures that the Forensic Science Regulators extensive information security controls are implemented, continually monitored and maintained throughout all Digital Forensic services.

QUALITY AND SERVICE MANAGEMENT

- CACI's Digital Forensic Laboratory operates in compliance to a Quality Management System which has been certified by UKAS to ISO/IEC 17043, ISO/IEC 17025 with compliance to FSR Codes and ILAC G19. Quality controls are embedded throughout the delivery of all Digital Forensic Investigation services to ensure continuing compliance to accreditation standards.
- Regular quality control activities are performed by CACI's quality and technical management team which ensure ongoing compliance to these requirements.
- Monthly governance meetings involving the SAI and other senior stakeholders from throughout CACI ensure the ongoing management of information assurance and security activities.

5. Information Assurance and Security

CACI is ISO 27001, ISO 17025, ISO 17043 and CYBER ESSENTIALS+ ACCREDITED, which includes assessed compliance to Forensic Science Regulator Code of Practice (FSR Codes) and ILAC G19

BUSINESS CONTINUITY

- CACI implements and maintains Business Continuity (BC) arrangements aligned to ISO 27001, ISO 17043, ISO 17025, FSR Codes and ILAC G19 for the entirety of the Digital Forensic Services we provide to our clients. Our ISMS and QMS contains established policies and procedures to regularly test BC in order to strengthen our capabilities and train our staff in disaster recovery (DR) of our services.

STAFF VETTING:

- CACI Digital Forensic Laboratory Staff are vetted to BPSS, NPPV3, SC & CTC.

6. Service Delivery

PHASED APPROACH

The following high-level process will be followed when delivering Digital Forensic Proficiency Testing Services to clients:

PT Dispatch

- Prior to each cycle starting, all participants are added to the PT Portal. Automated email notifications are used to direct activities and inform.
- Participant test items are quality checked against requirements and sent to each participant via courier,
- Once PT items are delivered, additional information is provided to participants which enables them to start their test.

GTD Dispatch

- CACI will provide all test devices and associated materials to the client at agreed delivery date. From the point of receipt, all GTD devices then become the possession of the client.

PT Participant Activity

- Participants will process PT items using their procedures. The following steps may occur:
- Receipt of exhibits into participant case management system.
- Case background will be reviewed, and a Digital Forensic Strategy will be formulated.
- Exhibit assessment and pre-acquisition examination.
- Data acquisition and preservation processes.
- Data processing and verification activities.
- Analysis & reporting activities to answer the questions provided by CACI.
- Once complete participants will return the devices via courier, providing the requested data and reports.

PT Assessment Activity

- CACI will conduct integrity and stability assessments on all devices.
- Provided information and results will be extensively reviewed against known values.
- Contemporaneous notes will be analysed to identify details which could be used by participants to improve their processes.
- A detailed report is then created containing the participant results alongside comparative statements and comparative assessment.

7. Service Levels

DEFINED SLA

- CACI will deliver DFPT services within the service timescales provided for each cycle of Proficiency Testing and GTD.
- Dispatch will occur within the first two weeks of the PT cycle and on the agreed delivery date for GTD.
- Participants then have until the final day of the second month of the cycle to return devices to CACI using the PT courier.
- CACI then have until the final day of the cycle to provide the Final Report(s) to participants.
- Reports will be published on the PT Portal.
- A Cumulative Report containing the **consolidated** results of all participants for the scheme for comparative purposes (it is not possible to view the specific results of other participants as they are consolidated) will be published periodically following the completion of each cycle.
- Test devices for each scheme will be updated every 12 months to introduce fresh challenges, ensure the ongoing relevance of each PT scheme and to support extensions to scope of accreditation for participants.

8. Pricing, Ordering, Invoicing and Termination

STANDARD RATE PRICING

PRICING

- The current costs for PT and GTD can be found in the pricing document.
- Standard rate discounts are available for multi-year contracts.

Invoicing and Termination

- For full details of our terms and conditions please see the Digital Forensics Proficiency Testing Services Agreement Terms and Conditions.

Thank you

CACI

Note: This document has been created and shared for the sole purpose of G-Cloud buyers to evaluate CACI as a supplier. Copying or sharing for any other purpose than the aforementioned is prohibited without the prior consent of CACI Ltd.

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