

Schedule 8

Data, Systems Handling and Security

	Definitions
"Control"	means that a person possesses, directly or indirectly, the power to direct or cause the direction of the management and policies of the other person (whether through the ownership of voting shares, by contract or otherwise) and "Controls" and "Controlled" are interpreted accordingly;
"Data Loss Event"	any event that results, or may result, in unauthorised access to Personal Data held by the Contractor under this Contract, and/or actual or potential loss and/or destruction of Personal Data in breach of this Contract, including any Personal Data Breach.
"DPA"	Data Protection Act 2018
"Data Protection Impact Assessment"	an assessment by the Controller of the impact of the envisaged processing on the protection of Personal Data.
"Data Protection Legislation"	(i) the GDPR, the LED and any applicable national implementing Laws as amended from time to time (ii) the DPA 2018 [subject to Royal Assent] to the extent that it relates to processing of personal data and privacy; (iii) all applicable Law about the processing of personal data and privacy;
"Data Subject Access Request"	a request made by, or on behalf of, a Data Subject in accordance with rights granted pursuant to the Data Protection Legislation to access their Personal Data.
"Controller", "Processor," "Data Subject", "Personal Data", "Personal Data Breach", "Data Protection Officer"	shall have the meanings given in the GDPR;
"GDPR"	the General Data Protection Regulation (Regulation (EU) 2016/679)
"LED"	Law Enforcement Directive (Directive (EU) 2016/680)
"Protective Measures"	appropriate technical and organisational measures which may include: pseudonymising and encrypting Personal Data, ensuring confidentiality, integrity, availability and resilience of systems and services, ensuring that availability of and access to Personal Data can be restored in a timely manner after an incident, and regularly assessing and evaluating the effectiveness of the such measures adopted by it.

“Sub-processor”

any third Party appointed to process Personal Data on behalf of the Contractor related to this Contract

1.1 The Parties acknowledge that for the purposes of the Data Protection Legislation, the Department is the Controller and the Contractor is the Processor. The only processing that the Contractor is authorised to do is listed in Schedule 8 Annex 2 by the Department and may not be determined by the Contractor.

1.2 The Contractor shall notify the Department immediately if it considers that any of the Department's instructions infringe the Data Protection Legislation.

1.3 The Contractor shall provide all reasonable assistance to the Department in the preparation of any Data Protection Impact Assessment prior to commencing any processing. Such assistance may, at the discretion of the Department, include:

- (a) a systematic description of the envisaged processing operations and the purpose of the processing;
- (b) an assessment of the necessity and proportionality of the processing operations in relation to the Services;
- (c) an assessment of the risks to the rights and freedoms of Data Subjects; and
- (d) the measures envisaged to address the risks, including safeguards, security measures and mechanisms to ensure the protection of Personal Data.

1.4 The Contractor shall, in relation to any Personal Data processed in connection with its obligations under this Contract:

(a) process that Personal Data only in accordance with Schedule 8 Annex 2, unless the Contractor is required to do otherwise by Law. If it is so required the Contractor shall promptly notify the Department before processing the Personal Data unless prohibited by Law;

(b) ensure that it has in place Protective Measures, which have been reviewed and approved by the Department as appropriate to protect against a Data Loss Event having taken account of the:

- (i) nature of the data to be protected;
- (ii) harm that might result from a Data Loss Event;
- (iii) state of technological development; and
- (iv) cost of implementing any measures;

(c) ensure that :

(i) the Contractor Personnel do not process Personal Data except in accordance with this Contract (and in particular Schedule 8 Annex 2);

(ii) it takes all reasonable steps to ensure the reliability and integrity of any Contractor Personnel who have access to the Personal Data and ensure that they:

- (A) are aware of and comply with the Contractor's duties under this clause;
- (B) are subject to appropriate confidentiality undertakings with the Contractor or any Sub-processor;

- (C) are informed of the confidential nature of the Personal Data and do not publish, disclose or divulge any of the Personal Data to any third Party unless directed in writing to do so by the Department or as otherwise permitted by this Contract; and
- (D) have undergone adequate training in the use, care, protection and handling of Personal Data; and
- (d) not transfer Personal Data outside of the EU unless the prior written consent of the Department has been obtained and the following conditions are fulfilled:
 - (i) the Department or the Contractor has provided appropriate safeguards in relation to the transfer (whether in accordance with GDPR Article 46 or LED Article 37) as determined by the Department;
 - (ii) the Data Subject has enforceable rights and effective legal remedies;
 - (iii) the Contractor complies with its obligations under the Data Protection Legislation by providing an adequate level of protection to any Personal Data that is transferred (or, if it is not so bound, uses its best endeavours to assist the Department in meeting its obligations); and
 - (iv) the Contractor complies with any reasonable instructions notified to it in advance by the Department with respect to the processing of the Personal Data;
- (e) at the written direction of the Department, delete or return Personal Data (and any copies of it) to the Department on termination of the Contract unless the Contractor is required by Law to retain the Personal Data.

1.5 Subject to clause 1.6, the Contractor shall notify the Department immediately if it:

- (a) receives a Data Subject Access Request (or purported Data Subject Access Request);
- (b) receives a request to rectify, block or erase any Personal Data;
- (c) receives any other request, complaint or communication relating to either Party's obligations under the Data Protection Legislation;
- (d) receives any communication from the Information Commissioner or any other regulatory authority in connection with Personal Data processed under this Contract;
- (e) receives a request from any third Party for disclosure of Personal Data where compliance with such request is required or purported to be required by Law; or
- (f) becomes aware of a Data Loss Event.

1.6 The Contractor's obligation to notify under clause 1.5 shall include the provision of further information to the Department in phases, as details become available.

1.7 Taking into account the nature of the processing, the Contractor shall provide the Department with full assistance in relation to either Party's obligations under Data Protection Legislation and any complaint, communication or request made under clause 1.5 (and insofar as possible within the timescales reasonably required by the Department) including by promptly providing:

- (a) the Department with full details and copies of the complaint, communication or request;
- (b) such assistance as is reasonably requested by the Department to enable the Department to comply with a Data Subject Access Request within the relevant timescales set out in the Data Protection Legislation;
- (c) the Department, at its request, with any Personal Data it holds in relation to a Data Subject;
- (d) assistance as requested by the Department following any Data Loss Event;
- (e) assistance as requested by the Department with respect to any request from the Information Commissioner's Office, or any consultation by the Department with the Information Commissioner's Office.

1.8 The Contractor shall maintain complete and accurate records and information to demonstrate its compliance with this clause. This requirement does not apply where the Contractor employs fewer than 250 staff, unless:

- (a) the Department determines that the processing is not occasional;
- (b) the Department determines the processing includes special categories of data as referred to in Article 9(1) of the GDPR or Personal Data relating to criminal convictions and offences referred to in Article 10 of the GDPR; and
- (c) the Department determines that the processing is likely to result in a risk to the rights and freedoms of Data Subjects.

1.9 The Contractor shall allow for audits of its Data Processing activity by the Department or the Department's designated auditor.

1.10 The Contractor shall designate a data protection officer if required by the Data Protection Legislation.

1.11 Before allowing any Sub-processor to process any Personal Data related to this Contract, the Contractor must:

- (a) notify the Department in writing of the intended Sub-processor and processing;
- (b) obtain the written consent of the Department;
- (c) enter into a written agreement with the Sub-processor which give effect to the terms set out in this clause 1 such that they apply to the Sub-processor; and
- (d) provide the Department with such information regarding the Sub-processor as the Department may reasonably require.

1.12 The Contractor shall remain fully liable for all acts or omissions of any Sub-processor.

1.13 The Contractor may, at any time on not less than 30 Working Days' notice, revise this clause by replacing it with any applicable controller to processor standard clauses or similar terms forming part of an applicable certification scheme (which shall apply when incorporated by attachment to this Contract).

1.14 The Parties agree to take account of any guidance issued by the Information Commissioner's Office. The Department may on not less than 30 Working Days' notice to the Contractor amend this Contract to ensure that it complies with any guidance issued by the Information Commissioner's Office.

SCHEDULE 8 – ANNEX 1

DFE SECURITY STANDARDS

<p>"BPSS" "Baseline Personnel Security Standard"</p>	<p>a level of security clearance described as pre-employment checks in the National Vetting Policy. Further information can be found at: https://www.gov.uk/government/publications/government-baseline-personnel-security-standard</p>
<p>"CCSC" "Certified Cyber Security Consultancy"</p>	<p>is NCSC's approach to assessing the services provided by consultancies and confirming that they meet NCSC's standards. This approach builds on the strength of CLAS and certifies the competence of suppliers to deliver a wide and complex range of cyber security consultancy services to both the public and private sectors. See website: https://www.ncsc.gov.uk/scheme/certified-cyber-consultancy</p>
<p>"CCP" "Certified Professional"</p>	<p>is a NCSC scheme in consultation with government, industry and academia to address the growing need for specialists in the cyber security profession and are building a community of recognised professionals in both the UK public and private sectors. See website: https://www.ncsc.gov.uk/scheme/certified-professional</p>
<p>"CC" "Common Criteria"</p>	<p>the Common Criteria scheme provides assurance that a developer's claims about the security features of their product are valid and have been independently tested against recognised criteria.</p>
<p>"CPA" "Commercial Product Assurance" [formerly called "CESG Product Assurance"]</p>	<p>is an 'information assurance scheme' which evaluates commercial off the shelf (COTS) products and their developers against published security and development standards. These CPA certified products can be used by government, the wider public sector and industry. See website: https://www.ncsc.gov.uk/scheme/commercial-product-assurance-cpa</p>
<p>"Cyber Essentials" "Cyber Essentials Plus"</p>	<p>Cyber Essentials is the government backed, industry supported scheme to help organisations protect themselves against common cyber-attacks. Cyber Essentials and Cyber Essentials Plus are levels within the scheme. There are a number of certification bodies that can be approached for further advice on the scheme; the link below points to one of these providers: https://www.iasme.co.uk/apply-for-self-assessment/</p>
<p>"Data" "Data Controller" "Data Processor" "Personal Data" "Sensitive Personal Data" "Data Subject", "Process" and "Processing"</p>	<p>shall have the meanings given to those terms by the Data Protection Act 1998</p>
<p>"Department's Data" "Department's Information"</p>	<p>is any data or information owned or retained in order to meet departmental business objectives and tasks, including: (a) any data, text, drawings, diagrams, images or sounds</p>

	<p>(together with any repository or database made up of any of these components) which are embodied in any electronic, magnetic, optical or tangible media, and which are:</p> <ul style="list-style-type: none"> (i) supplied to the Contractor by or on behalf of the Department; or (ii) which the Contractor is required to generate, process, store or transmit pursuant to this Contract; or <p>(b) any Personal Data for which the Department is the Data Controller;</p>
<p>"DfE"</p> <p>"Department"</p>	means the Department for Education
"Departmental Security Standards"	means the Department's security policy or any standards, procedures, process or specification for security that the Contractor is required to deliver.
"Digital Marketplace / GCloud"	the Digital Marketplace is the online framework for identifying and procuring cloud technology and people for digital projects. Cloud services (e.g. web hosting or IT health checks) are on the G-Cloud framework.
"FIPS 140-2"	this is the Federal Information Processing Standard (FIPS) Publication 140-2, (FIPS PUB 140-2), entitled 'Security Requirements for Cryptographic Modules'. This document is the de facto security standard used for the accreditation of cryptographic modules.
<p>"Good Industry Practice"</p> <p>"Industry Good Practice"</p>	means the exercise of that degree of skill, care, prudence, efficiency, foresight and timeliness as would be expected from a leading company within the relevant industry or business sector.
<p>"Good Industry Standard"</p> <p>"Industry Good Standard"</p>	means the implementation of products and solutions, and the exercise of that degree of skill, care, prudence, efficiency, foresight and timeliness as would be expected from a leading company within the relevant industry or business sector.
<p>"GSC"</p> <p>"GSCP"</p>	<p>means the Government Security Classification Policy which establishes the rules for classifying HMG information. The policy is available at:</p> <p>https://www.gov.uk/government/publications/government-security-classifications</p>
"HMG"	means Her Majesty's Government
"ICT"	means Information and Communications Technology (ICT) is used as an extended synonym for information technology (IT), used to describe the bringing together of enabling technologies used to deliver the end-to-end solution
"ISO/IEC 27001" "ISO 27001"	is the International Standard for Information Security Management Systems Requirements

"ISO/IEC 27002" "ISO 27002"	is the International Standard describing the Code of Practice for Information Security Controls.
"ISO 22301"	is the International Standard describing for Business Continuity
"IT Security Health Check (ITSHC)" "IT Health Check (ITHC)" "Penetration Testing"	means an assessment to identify risks and vulnerabilities in systems, applications and networks which may compromise the confidentiality, integrity or availability of information held on that IT system.
"Need-to-Know"	the Need-to-Know principle is employed within HMG to limit the distribution of classified information to those people with a clear 'need to know' in order to carry out their duties.
"NCSC"	The National Cyber Security Centre (NCSC) formerly CESG is the UK government's National Technical Authority for Information Assurance. The NCSC website is https://www.ncsc.gov.uk
"OFFICIAL" "OFFICIAL-SENSITIVE"	the term 'OFFICIAL' is used to describe the baseline level of 'security classification' described within the Government Security Classification Policy (GSCP) which details the level of protection to be afforded to information by HMG, for all routine public sector business, operations and services. the 'OFFICIAL-SENSITIVE' caveat is used to identify a limited subset of OFFICIAL information that could have more damaging consequences (for individuals, an organisation or government generally) if it were lost, stolen or published in the media, as described in the Government Security Classification Policy.
"Secure Sanitisation"	Secure sanitisation is the process of treating data held on storage media to reduce the likelihood of retrieval and reconstruction to an acceptable level. Some forms of sanitisation will allow you to re-use the media, while others are destructive in nature and render the media unusable. Secure sanitisation was previously covered by "Information Assurance Standard No. 5 - Secure Sanitisation" ("IS5") issued by the former CESG. Guidance can now be found at: https://www.ncsc.gov.uk/guidance/secure-sanitisation-storage-media The disposal of physical documents and hardcopy materials advice can be found at: https://www.cpni.gov.uk/secure-destruction
"Security and Information Risk Advisor" "CCP SIRA" "SIRA"	the Security and Information Risk Advisor (SIRA) is a role defined under the NCSC Certified Professional (CCP) Scheme. See also: https://www.ncsc.gov.uk/articles/about-certified-professional-scheme
"SPF" "HMG Security Policy Framework"	This is the definitive HMG Security Policy which describes the expectations of the Cabinet Secretary and Government's Official Committee on Security on how HMG organisations and third parties handling HMG information and other assets will apply protective security to ensure HMG can function effectively, efficiently and securely. https://www.gov.uk/government/publications/security-policy-framework

<p>"Tailored Assurance" [formerly called "CTAS", or, "CESG Tailored Assurance"]</p>	<p>is an 'information assurance scheme' which provides assurance for a wide range of HMG, MOD, Critical National Infrastructure (CNI) and public sector customers procuring IT systems, products and services, ranging from simple software components to national infrastructure networks. https://www.ncsc.gov.uk/documents/ctas-principles-and-methodology</p>
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- 1.1 The Contractor shall comply with Departmental Security Standards for Contractors which include but are not constrained to the following clauses.
- 1.2 Where the Contractor will provide ICT products or services or otherwise handle information at OFFICIAL on behalf of the Department, the requirements under Cabinet Office Procurement Policy Note – Use of Cyber Essentials Scheme certification - Action Note 09/14 25 May 2016, or any subsequent updated document, are mandated; that "contractors supplying products or services to HMG shall have achieved, and retain certification at the appropriate level, under the HMG Cyber Essentials Scheme". The certification scope must be relevant to the services supplied to, or on behalf of, the Department.
- 1.3 The Contractor shall be able to demonstrate conformance to, and show evidence of such conformance to the ISO/IEC 27001 (Information Security Management Systems Requirements) standard, including the application of controls from ISO/IEC 27002 (Code of Practice for Information Security Controls).
- 1.4 Departmental Data being handled in the course of providing an ICT solution or service must be segregated from all other data on the Contractor's or sub-contractor's own IT equipment to protect the Departmental Data and enable the data to be identified and securely deleted when required. In the event that it is not possible to segregate any Departmental Data then the Contractor and any sub-contractor shall be required to ensure that it is stored in such a way that it is possible to securely delete the data in line with Clause 1.14.
- 1.5 The Contractor shall have in place and maintain physical security, in line with those outlined in ISO/IEC 27002 including, but not limited to, entry control mechanisms (e.g. door access) to premises and sensitive areas.
- 1.6 The Contractor shall have in place and maintain an access control policy and process for the logical access (e.g. identification and authentication) to ICT systems to ensure only authorised personnel have access to Departmental Data
- 1.7 The Contractor shall have in place and shall maintain procedural, personnel, physical and technical safeguards to protect Departmental Data, including but not limited to: physical security controls; good industry standard policies and process; anti-virus and firewalls; security updates and up-to-date patching regimes for anti-virus solutions; operating systems, network devices, and application software, user access controls and the creation and retention of audit logs of system use
- 1.8 Any data in transit using either physical or electronic transfer methods across public space or cyberspace, including mail and couriers systems, or third party provider networks must be protected via encryption which has been certified to FIPS 140-2 standard or a similar method approved by the Department prior to being used for the transfer of any Departmental Data
- 1.9 Storage of Departmental Data on any portable devices or media shall be limited to the absolute minimum required to deliver the stated business requirement and shall be subject to Clause 1.11 and 1.12 below

- 1.10 Any portable removable media (including but not constrained to pen drives, flash drives, memory sticks, CDs, DVDs, or other devices) which handle, store or process Departmental Data to deliver and support the service, shall be under the control and configuration management of the contractor or (sub-)contractors providing the service, shall be both necessary to deliver the service and shall be encrypted using a product which has been certified to FIPS140-2 standard or another encryption standard that is acceptable to the Department
- 1.11 All portable ICT devices, including but not limited to laptops, tablets, smartphones or other devices, such as smart watches, which handle, store or process Departmental Data to deliver and support the service, shall be under the control and configuration management of the contractor or sub-contractors providing the service, and shall be necessary to deliver the service. These devices shall be full-disk encrypted using a product which has been certified to FIPS140-2 standard or another encryption standard that is acceptable to the Department
- 1.12 Whilst in the Contractor's care all removable media and hardcopy paper documents containing Departmental Data must be handled securely and secured under lock and key when not in use and shall be securely destroyed when no longer required, using either a cross-cut shredder or a professional secure disposal organisation
- 1.13 When necessary to hand carry removable media and/or hardcopy paper documents containing Departmental Data, the media or documents being carried shall be kept under cover and transported in such a way as to ensure that no unauthorised person has either visual or physical access to the material being carried. This clause shall apply equally regardless of whether the material is being carried inside or outside of company premises
- 1.14 At the end of the contract or in the event of equipment failure or obsolescence, all Departmental information and data, in either hardcopy or electronic format, that is physically held or logically stored on the Contractor's ICT infrastructure must be securely sanitised or destroyed and accounted for in accordance with the current HMG policy using a NCSC approved product or method. Where sanitisation or destruction is not possible for legal, regulatory or technical reasons, such as a Storage Area Network (SAN) or shared backup tapes, then the Contractor or sub-contractor shall protect the Department's information and data until the time, which may be long after the end of the contract, when it can be securely cleansed or destroyed
- 1.15 Access by Contractor or sub-contractor staff to Departmental Data shall be confined to those individuals who have a "need-to-know" in order to carry out their role; and have undergone mandatory pre-employment screening, to a minimum of HMG Baseline Personnel Security Standard (BPSS); or hold an appropriate National Security Vetting clearance as required by the Department. All Contractor or sub-contractor staff must complete this process before access to Departmental Data is permitted
- 1.16 All Contractor or sub-contractor employees who handle Departmental Data must have annual awareness training in protecting information
- 1.17 The Contractor shall, as a minimum, have in place robust Business Continuity arrangements and processes including IT disaster recovery plans and procedures that conform to ISO 22301 to ensure that the delivery of the contract is not adversely affected in the event of an incident. An incident shall be defined as any situation that might, or could lead to, a disruption, loss, emergency or crisis to the services delivered. If a ISO 22301 certificate is not available the supplier will provide evidence of the effectiveness of their ISO 22301 conformant Business Continuity arrangements and processes including IT disaster recovery plans and procedures. This should include evidence that the Contractor has tested or exercised these plans within the last 12 months and produced a written report of the outcome, including required actions

- 1.18 Any suspected or actual breach of the confidentiality, integrity or availability of Departmental Data being handled in the course of providing this service, or any non-compliance with these Departmental Security Standards for Contractors, or other Security Standards pertaining to the solution, shall be investigated immediately and escalated to the Department by a method agreed by both parties
- 1.19 The Contractor shall ensure that any IT systems and hosting environments that are used to handle, store or process Departmental Data shall be subject to independent IT Health Checks (ITHC) using a NCSC approved ITHC provider before go-live and periodically (at least annually) thereafter. The findings of the ITHC relevant to the service being provided are to be shared with the Department and all necessary remedial work carried out. In the event of significant security issues being identified, a follow up remediation test may be required
- 1.20 The Contractor or sub-contractors providing the service will provide the Department with full details of any storage of Departmental Data outside of the UK or any future intention to host Departmental Data outside the UK or to perform any form of ICT management, support or development function from outside the UK. The Contractor or sub-contractor will not go ahead with any such proposal without the prior written agreement from the Department
- 1.21 The Department reserves the right to audit the Contractor or sub-contractors providing the service within a mutually agreed timeframe but always within seven days of notice of a request to audit being given. The audit shall cover the overall scope of the service being supplied and the Contractor's, and any sub-contractors, compliance with the clauses contained in this Section
- 1.22 The Contractor shall contractually enforce all these Departmental Security Standards for Contractors onto any third-party suppliers, sub-contractors or partners who could potentially access Departmental Data in the course of providing this service
- 1.23 The Contractor and sub-contractors shall undergo appropriate security assurance activities as determined by the Department. Contractor and sub-contractors shall support the provision of appropriate evidence of assurance and the production of the necessary security documentation such as completing the DfE Security Assurance Model (DSAM) process or the Business Service Assurance Model (BSAM). This will include obtaining any necessary professional security resources required to support the Contractor's and sub-contractor's security assurance activities such as: a NCSC Certified Cyber Security Consultancy (CCSC) or NCSC Certified Professional (CCP) Security and Information Risk Advisor (SIRA)

SCHEDULE 8 ANNEX 2

Processing, Personal Data and Data Subjects

The Contractor shall comply with any further written instructions with respect to processing by the Department.

Any such further instructions shall be incorporated into this Schedule.

Description	Details
Subject matter of the processing	<i>Programme participants</i>
Duration of the processing	<i>Lifetime of the contract</i>
Nature and purposes of the processing	<i>Information on applicants to programme and participation will be collected for the purpose of managing the programme. .</i>
Type of Personal Data	<i>Name, organization and equality characteristics.</i>
Categories of Data Subject	<i>Programme participants, employers</i>
Plan for return and destruction of the data once the processing is complete UNLESS requirement under union or member state law to preserve that type of data	<i>For lifetime of programme and returned to DfE as agreed at end of programme.</i>

Schedule 9
Commercially Sensitive Information

1. This schedule 9 identifies the commercially sensitive information of the contractor.
2. The Contractor regards the following information as commercially sensitive information.

Contractor's Commercially Sensitive Information	Duration of Confidentiality
Contractor's detailed costs and charges as set out in schedule (financials)	Until otherwise notified by the contractor
Information on sub-contractors as set out in schedule 7 (key personnel and key sub-contractors)	Until otherwise notified by the contractor
All the information contained within the Bid, including that summarised in schedule 1 (specification)	Until otherwise notified by the contractor

Schedule 10
The Contractor's Solution

1. The Contractor's solution to the Department's requirements as submitted on 12 March 2018 is described in the embedded attachment.

