

UK POWER NETWORKS: SOUTH EASTERN POWER NETWORKS PLC (SPN)

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Date: 25 September 2023

Dear UK POWER NETWORKS: SOUTH EASTERN POWER NETWORKS PLC (SPN),

SIF Project Direction ref: UKPN/Park&Flex/SIFADMED/Rd2 Alpha

UK POWER NETWORKS: SOUTH EASTERN POWER NETWORKS PLC (SPN) submitted Park & Flex (the Project) to be considered for funding through the Alpha Phase of round 2 of the Strategic Innovation Fund (SIF). As explained in greater detail below, this Project previously received SIF Funding and completed a Discovery Phase for round 2 of the SIF. In our¹ SIF Funding Decision issued on 22 September 2023, we selected the Project² for conditional funding for the round 2 Alpha Phase and as a result we are now issuing this SIF Project Direction to implement that decision.

UK POWER NETWORKS: SOUTH EASTERN POWER NETWORKS PLC (SPN) must comply with the conditions contained in this SIF Project Direction as a condition of the Project receiving funding through the SIF. These conditions can be found in the Schedule to this document.

Progression through SIF Phases

The SIF consists of a multi-phase approach for Projects in order to mitigate the risk associated with innovations. The Discovery Phase focuses on feasibility, the Alpha Phase on experimental development, and the Beta Phase on deployment and demonstration.

The Project previously received SIF Funding for the round 2 Discovery Phase³ and submitted an Application for the Project to be considered for SIF Funding for the round 2

¹ The terms 'we', 'us', 'our' refer to the Gas and Electricity Markets Authority. Ofgem is the office of the Authority.

² Unless otherwise specified, defined terms in this SIF Project Direction have the meaning given to them in Appendix 1 of the SIF Governance Document.

³ The Project Directions for round 2 of the Discovery Phase are available at: <https://www.ofgem.gov.uk/publications/strategic-innovation-fund-round-2-discovery-projects-approved-funding>

Alpha Phase of the SIF. As stated above, the Project has been selected by Ofgem to receive SIF Funding for the Alpha Phase of round 2.

Role of UK Research & Innovation (UKRI)

As per Chapter 1 of the SIF Governance Document⁴ the role of UKRI is to deliver the SIF in line with the SIF Governance Document - administering the funding programme, monitoring the delivery of Projects, collating data from Projects on benefits, making recommendations to Ofgem on operational matters, supporting third-party innovators and, where possible, successful Projects to become 'business as usual' activities. To support the success of the Projects and the SIF programme, we expect that the Funding Party and Project Partners collaborate with Ofgem and UKRI.

SIF Project Direction

Paragraph 5.14 of the SIF Governance Document states that a SIF Project Direction will:

- Set out the Project-specific conditions, to which the Funding Party is committing in accepting SIF Funding.⁵
- Require the Funding Party to undertake the Project in accordance with the commitments made in the Application. Where appropriate, the SIF Project Direction may therefore include extracts from the Application or refer to specific sections of the SIF Application.⁶
- Where applicable, set out conditions (such as Project stage gates) linked to milestones and deliverables, which Projects must meet.⁷
- Set out the SIF Approved Amount for the Project, that will form part of the calculation contained in the SIF Funding Direction issued by the Authority under chapter 7 of the SIF Governance Document.⁸
- Set out the Project budget that the Funding Party must report against and how variations in the Project budget will be reported.⁹
- Where applicable, set out special information sharing requirements applicable to the Project.¹⁰
- Set out the mechanism for the Funding Party receiving the SIF Approved Amount as set out in the SIF Funding Direction.¹¹

⁴ <https://www.ofgem.gov.uk/publications/sif-governance-document>

⁵ 'Project specific conditions' detailed under Point 3 – 'Condition President' of this SIF Project Direction.

⁶ 'Project specific conditions' detailed under Point 3 – 'Condition President' of this SIF Project Direction.

⁷ 'Project specific conditions' detailed under Point 3 – 'Condition President' of this SIF Project Direction.

⁸ 'SIF Funding Amount' detailed under Point 5 – 'Condition President' of this SIF Project Direction.

⁹ Annex 1 – Project Budget.

¹⁰ 'Project specific conditions' detailed under Point 3 – 'Condition President' of this SIF Project Direction.

¹¹ 'SIF Funding Amount' detailed under Point 5 – 'Condition President' of this SIF Project Direction.

All SIF Project Direction requirements are detailed in the Schedule to this SIF Project Direction.

Decision

Provided the Funding Party complies with the SIF Governance Document and with the Schedule to this SIF Project Direction, the Project is deemed to be an Eligible SIF Project¹².

This SIF Project Direction constitutes notice pursuant to section 49A (Reasons for decisions) of the Electricity Act 1989.

Marzia Zafar

Deputy Director, Decentralisation & Digitalisation

For and on behalf of the Authority

¹² The meaning 'Eligible SIF Project' is described in Chapter 2 of the SIF Governance Document.

Schedule to SIF Project Direction

1. PROJECT DETAILS

SIF Project Direction reference: UKPN/Park&Flex/SIFADMED/Rd2_Alpha

Application number: 10086418

Project title: Park & Flex

Innovation Challenge/Project Phase: Accelerating decarbonisation of major energy demands / Alpha Phase round 2

Project start date: 01 October 2023

Project end date: 31 March 2024

SIF Approved Amount for SIF Funding: £467,470.00

2. PREAMBLE

This SIF Project Direction is issued by the Gas and Electricity Markets Authority (the "Authority") to UK POWER NETWORKS: SOUTH EASTERN POWER NETWORKS PLC (SPN) (the "Funding Party") pursuant to the SIF Governance Document issued pursuant to Special Condition 9.9 of the Electricity Distribution Licence. It sets out the conditions to be complied with in relation to Park & Flex (the "Project") as a condition of it being funded under the SIF Funding Mechanism.¹³

Unless otherwise specified, defined terms in this SIF Project Direction have the meaning given to them in the Licence or Appendix 1 of the SIF Governance Document.

References to specific sections of the Funding Party's Application in this SIF Project Direction are, for ease of reference, made by referring to the section number in the Funding Party's Application.

3. PROJECT SPECIFIC CONDITIONS

In accepting funding for the Project, the Funding Party is subject to the following Project-specific condition(s):

Condition 1

The Funding Party must not spend any SIF Funding until contracts are signed with the Project Partners named in Table 1 for the purpose of completing the Project.

¹³ The SIF Funding Return Mechanism is defined in the SIF Governance Document.

Table 1. Project Partners

FERMATA ENERGY LLC
UK POWER NETWORKS SERVICES (COMMERCIAL) LIMITED
GREATER LONDON AUTHORITY HOLDINGS LIMITED
BARINGA PARTNERS LLP

Condition 2

The Funding Party must report on the financial contributions made to the Project as set out in its Application. Any financial contributions made over and above that stated in its Application should also be reported and included within the Project costs template.

Condition 3

The Funding Party must make reasonable endeavours to participate in all meetings related to the Project that they are invited to by Ofgem, UKRI and DESNZ during the Alpha Phase.

Condition 4

The Funding Party must provide to its monitoring officer by the end of the Alpha Phase a definition of the commercial arrangement and business model that it has found to date which could be used to deploy the proposed solution widescale.

Condition 5

The Funding Party must provide to its monitoring officer by the mid-point monitoring meeting an explanation as to whether electric vehicle (EV) original equipment manufacturers (OEM) need to be engaged to ensure the Project's proposed solution is deployable across a wide variety of EV OEMs.

4. COMPLIANCE

The Funding Party must comply with Special Condition 9.9 of the Electricity Distribution Licence, the SIF Governance Document and with this SIF Project Direction.

5. SIF APPROVED AMOUNT

The SIF Approved amount of £467,470.00 (as detailed under Section 1: Project details of this Project Direction) will be recovered by National Grid Electricity System Operator from GB customers and transferred to the Funding Party. The Funding Party is responsible for notifying National Grid Electricity System Operator of the bank account details to which transfers must be made, in addition to completing Annex 2 of this SIF

Project Direction. If a Funding Party is required to return funding to National Grid Electricity System Operator, the reverse applies. The Funding Party must provide bank account details to National Grid Electricity System Operator within two weeks of accepting this SIF Project Direction.

6. PROJECT BUDGET

The Project Budget is set out in Annex 1 of this SIF Project Direction.

The Funding Party must report on expenditure against each line under the category total in the Project Budget and explain any projected variance against each line as part of its detailed report which will be provided, in accordance with Chapter 7 of the SIF Governance Document. The Funding Party must report variations in the Project budget as outlined in Chapter 6 of the SIF Governance Document.

7. PROJECT IMPLEMENTATION

The Funding Party must undertake the Project in accordance with the commitments it has made in the Application and with the conditions of this SIF Project Direction. These include (but are not limited to) the following:

- (i) undertake the Project in accordance with its Application,
- (ii) complete the Project on or before the Project completion date as detailed under section 1 of the schedule of this SIF Project Direction, and
- (iii) disseminate the learning from the Project at least to the level described in chapter 3 of the SIF Governance Document. Dissemination of learning must be carried out whether the Project was concluded successfully or otherwise.

8. REPORTING

Ofgem and UKRI may issue guidance (and amend it from time to time) about the structure and content of the Project reporting required by Chapter 6 of the SIF Governance Document. The Funding Party must follow this guidance in preparing the reports.

As set out in chapter 6 of the SIF Governance Document, the Funding Party may be required to submit an end of Phase report to the UKRI monitoring officer for the round 2 Alpha Phase. An end of Phase report is required for the round 2 Alpha Phase if the Project is not planning on submitting an Application to the round 2 Beta Phase and, if the Funding Party submits an Application for the Project for the round 2 Beta Phase but

is not successful. Within this report, the Funding Party must submit information related to questions on Project delivery as detailed in chapter 6, table 6 of the SIF Governance Document.

9. MONITORING

The Funding Party must comply with any reasonable request for information by its monitoring officer at UKRI and related deadlines. Ofgem, with the support of UKRI, will together monitor Project delivery, impacts and benefits. Throughout the term of the Project, progress is monitored by UKRI through a monitoring officer. The monitoring officer is the first point of contact for official notifications, queries and correspondence with UKRI and the Authority, unless otherwise required by this SIF Project Direction.

As detailed in Chapter 6 of the SIF Governance Document, meetings with the monitoring officer will take place at regular intervals, as advised by Ofgem or the monitoring officer during the delivery of the Project, and at the end of each Project Phase.

10. EVALUATION

The Funding Party has acknowledged when it submitted its Application for this Project, that reporting information and data gathered during the Project's timescales (as detailed in Section 1 of this SIF Project Direction) will be used to evaluate Project performance. In addition, the Funding Party may be required to provide requested information outside of the Project timescales and, in particular, for the period from the Project end date to the end of the SIF Programme. Further data and reporting information may be requested (frequency and method based on requirement) outside of standard monitoring and reporting requirements as deemed necessary. Further data and information requirements must be complied with by the Funding Party and Project Partners.

11. DATA SHARING

As set out in Chapter 3 of the SIF Governance Document, the Funding Party must follow Data Best Practice Guidance with regards to all data gathered or created in the course of a Project. We expect the Funding Party to document any reasons, such as commercial sensitivities, for desensitising data. As defined by, and in accordance with, Data Best Practice Guidance, Funding Parties must have a data triage process. Where multiple Project Partners are collaborating on a Project, the consortium must adopt a consistent Open Triage Process for the data related to the Project. Ofgem may require that Project information and data is also shared with other specified parties, such as parties working

on complementary innovation funding programmes (subject to redaction of sensitive data).

12. CYBER SECURITY

It is the responsibility of the Funding Party and all Project Partners to implement and maintain appropriate security measures to protect personal data in accordance with The GDPR (General Data Protection Regulation)¹⁴ and DPA (Data Protection Act) 2018¹⁵. Protection of computer systems from unauthorised access or being otherwise damaged or made inaccessible must be in place alongside effective working practices. These must be maintained in line with the Funding Party's IT Management Strategies and policies.

13. PROJECT MILESTONES

The Funding Party must provide an outline in its end of Project Phase meeting with its UKRI monitoring officer that verifies the Project milestones have been achieved or explains why they have not.

Project milestones are outlined below in Table 3, based upon details contained within Question 7 and Appendix Question 9 in the Funding Party's.

¹⁴ https://ec.europa.eu/info/law/law-topic/data-protection/data-protection-eu_en

¹⁵ <https://www.legislation.gov.uk/ukpga/2018/12/contents/enacted>

Table 3. Project milestone¹⁶

Reference	Project milestone	Deadline	Overall objectives and key tasks	Summary of milestones	SIF Funding Request
Milestone 1	Work package 1: Project Management	31 March 2024	<p>Overall objective: This WP ensures the timing and quality of deliverables according to the plan. It includes project coordination (e.g. weekly project progress meetings), correspondence with SIF, and miscellaneous administration</p> <p>Key tasks:</p> <ul style="list-style-type: none"> Run project management meetings Manage project plan progress and risks Manage change process Run project governance process 	M1.1: Project management enabling project completion: Successful delivery of the project to time, quality, and budget, managing risks. (£26,790.00).	£26,790.00

¹⁶ As outlined in in the Application or Project Plan appendix.

			Facilitate internal stakeholder engagement and decisions Manage costs and resources Approve deliverables		
Milestone 2	Work package 2: Stakeholder Engagement	31 March 2024	Overall objective: Engaging car park stakeholders to develop propositions and business models and update the CBA; and wider stakeholders to test viability of propositions. This will include EV customer research led by UK Power Networks. Key tasks: 1. Develop the stakeholder engagement map and plan, and schedule sessions (workshops, 121s, etc.) 2. Engage car park owner / operator stakeholders to understand their priorities and develop proposition options and business models to support the CBA	M2.1: Stakeholder engagement: "Proposals developed in the Alpha phase have been co-created and tested with relevant stakeholders to ensure they are robust and viable for the Beta phase. Relevant stakeholders to include: 1. Engagement with car park owner / operators to understand their priorities, and those of their customers, and develop proposition options and business models to support the CBA	£48,815.00

			<p>3. Identify and engage additional Beta phase participants</p> <p>4. Engage industry participants (e.g. DSO, ESO, aggregator and market access providers) to inform flex use cases and identify revenue streams</p> <p>5. Engage investors to understand appetite to fund proposals in BAU and minimal criteria for a pilot (Beta phase)</p>	<p>2. Identification and engagement with additional Beta phase participants</p> <p>3. Engagement with industry participants (e.g. DSO, ESO, aggregator and market access providers) to inform flex use cases and identify revenue streams</p> <p>4. Engagement with investors to understand appetite to fund proposals in BAU. (£46,815.00)</p> <p>M2.2: Knowledge dissemination: Alpha phase knowledge and insight shared widely through an in person event hosted by UKPN for all our successful Alpha Phase projects. (£2,000.00).</p>	
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Milestone 3	Work package 3: Flexibility Use Case Development	31 March 2024	<p>Overall objective: Designing the access products, flexibility service use cases, and supporting business architecture to enable customer propositions and business models.</p> <p>Key tasks:</p> <p>1. Identify the full set of market opportunities for consideration in proposition design, including wholesale arbitrage, central system services, DSO flexibility markets, and approaches to facilitate connections challenges (e.g. including access products and 'behind the meter' schemes for local self-consumption of export)</p> <p>2. Develop specifications for market access requirements from flexibility response</p>	<p>M3.1: Flexibility use cases: Flexibility Use Case opportunities defined sufficient to enable customer proposition and business model design - i.e. identifying flexible response potential, market mechanisms and/or access products, specifications, and business architecture (entities, functions, data flows, commercial flows). (£108,844.00).</p>	£108,844.00
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			<p>3. Define use cases to underpin propositions, including:</p> <ul style="list-style-type: none"> - High-level process - Business architecture (entities, functions, data flows, commercial flows) 		
Milestone 4	Work package 4: Develop Customer Value Propositions and Business Models	31 March 2024	<p>Overall objective: Develop customer-facing propositions and business model options with car park stakeholders, and assess forecast costs and revenues to all parties.</p> <p>Key tasks:</p> <ol style="list-style-type: none"> 1. Run proposition development workshop series with core partners and wider stakeholders 2. Develop customer-facing proposition options 3. Design business model options and assess revenues, costs, and risks to all parties, ensuring viable propositions are profitable and with 	<p>M4.1: Customer value proposition development: Customer propositions designed for implementation and testing in Beta Phase that aim to incentivise and enable customers to participate in delivering flexibility opportunities as identified through the Use Cases - covering e.g. incentive level, offering, messaging, app changes, etc. (£90,475.00).</p> <p>M4.2: Business model development: Business</p>	£171,956.00

			<p>sufficient incentives for all stakeholders</p> <p>4. Update the CBA</p> <p>5. Develop rationale for each option and select lead option(s) for use in Beta phase with minded-to participants</p>	<p>models defined and agreed that specify the roles and responsibilities of all relevant entities in delivery of customer propositions, including assessment of revenues, costs, and risks to all parties, to ensure value propositions are profitable and to specify the level of incentive available for customers.</p> <p>(£81,481.00).</p>	
Milestone 5	Work package 5: Technical Architecture Design	31 March 2024	<p>Overall objective: Designing the technical architecture required for the trials, including systems, data flows, and software requirements, and planning for implementation</p> <p>Key tasks:</p> <p>1. Develop software features requirements and solution design documents for driver rewards</p>	<p>M5.1: Define trial technical architecture design: Technical architecture requirements for Beta designed, and plan/costs for delivery understood.</p> <p>(£24,282.00)</p>	£24,282.00

			2. Plan and design software architecture to integrate V2X within car park user application		
Milestone 6	Work package 6: Design Beta Phase Trial	31 March 2024	<p>Overall objective: Development of the experimental design for the trial and trials protocol document, as well as planning for putting in place the required enablers to support the trial.</p> <p>Key tasks:</p> <p>1. Develop trials protocol, including:</p> <ul style="list-style-type: none"> - Specific testable hypotheses statements - Experimental design and outline analysis approach - Data requirements and statistical significance <p>2. Develop Beta Phase implementation plan, including:</p> <ul style="list-style-type: none"> - Identification of trials enablers (e.g. technology) 	M6.1: Trial design: Experimental design for the trial planned and captured in the trials protocol document, and plan in place to deliver the required enablers to support the trial. (£59,461.00).	£59,461.00

			<ul style="list-style-type: none"> - Implementation plan and costs for trials enablers - Activity plan and costs for running the trial 		
Milestone 7	Work package 7: Charger Deployment Scoping	31 March 2024	<p>Overall objective: Identifying electrical infrastructure required for the Beta Phase, including EV charger functionalities, preparing for connections, and identifying procurement and ownership requirements.</p> <p>Key tasks:</p> <ol style="list-style-type: none"> 1. Identified car parking spaces and associated electrical infrastructure that would be required for the beta phase (including the EV charger functionalities) 2. Proposal of a back-end software solution to be used for communication and integration with aggregator software and car park operator systems 	<p>M7.1: Physical site scoping: Physical trials sites understood and plan in place for deploying the required charger infrastructure for the Beta phase. (£12,530.00).</p>	£12,530.00

			3. Prepare documentation for G99 application		
Milestone 8	Work package 8: Partner Selection	31 March 2024	<p>Overall objective: Confirming partners for the Beta Phase (e.g. any new car park operators) as well as any further services required for the Beta Phase (e.g. aggregator/software services and charging infrastructure)</p> <p>Key tasks:</p> <ol style="list-style-type: none"> 1. Agree trials partners 2. Develop sourcing strategy for all trials enablers, including market scan for providers where necessary outside of the core consortium 3. Identify procurement requirements and timeframes 4. Define ownership for assets (chargers etc.) and project risks 	M8.1: Partner selection: Clarity on final set of trials partners and suppliers required for all elements of the Beta phase. (£14,792.00).	£14,792.00

14. USE OF LOGO

The Funding Party and the Project Partners, External Funders and Project Supporters or subcontractors¹⁷ must not use the Innovate UK/UKRI and/or Ofgem logo for purposes associated with the Project in any circumstances.

As an alternative for use of both Ofgem and UKRI logos, all external Project communications must include the following standard form of wording:

- (i) "this project is funded by network users and consumers under the Strategic Innovation Fund, an Ofgem programme managed in partnership with UKRI."

For additional guidance, refer to the communications and media guidelines for competition winners, detailed as part of your delivery pack. These guidelines are designed to help with some suggestions and encourage you to take a proactive approach to communicating about your Project.

15. SHARING OF LESSONS LEARNED

The Funding Party is required to ensure that the sharing of lessons learned and the facilitation of knowledge transfer is conducted as effectively as possible, to ensure that all parties, and therefore all consumers including future consumers, can benefit from Projects.

As contained within Chapter 3 of the SIF Governance Document, we require the Funding Party to work collaboratively to maintain the ENA Smarter Networks Portal so that all reporting and dissemination of learnings on Projects (as required by chapter 6 of the SIF Governance Document) is available via the ENA Smarter Networks Portal.

16. COLLABORATION

The Funding Party must collaborate with third-party innovators as Project Partners, as well as work closely with other parties in the energy supply chain, as set out in Chapter 3 of the SIF Governance Document.

The Funding Party must collaborate with other parties and with UKRI to organise an annual conference in a format appropriate to enabling the building of consortiums and disseminating learning widely. The conference may be a single event for gas and electricity, or more than one event, as appropriate.

¹⁷ As detailed in the Application.

17. AMENDMENT OR REVOCATION

As set out in Chapter 7 of the SIF Governance Document, this SIF Project Direction may be amended or revoked under the following circumstances:

- (i) if the Funding Party considers that there has been a material change in circumstance that requires a change to the SIF Project Direction, and the Authority agrees; or
- (ii) to reflect amendments made to the Licence.

18. HALTING OF PROJECTS

This SIF Project Direction is subject to the provisions contained in Chapter 7 of the SIF Governance Document relating to the halting of Projects. By extension, this SIF Project Direction is subject to any decision by the Authority to halt the Project to which this SIF Project Direction relates and to any subsequent relevant SIF Funding Direction issued by the Authority pursuant to Special Condition 9.9 of the Electricity Distribution Licence.

Further to the requirements in Chapter 7 of the SIF Governance Document, in the event the Authority decides to halt the Project, to which this SIF Project Direction relates, the Authority may issue a statement to the Funding Party clarifying the effect of that halting decision as regards to the status and legal force of the conditions contained in this SIF Project Direction.

NOW THEREFORE:

In accordance with the SIF Governance Document issued pursuant to Special Condition 9.9 of the Electricity Distribution Licence of the Licence the Authority hereby issues this SIF Project Direction to the Funding Party in relation to the Project.

This constitutes notice of reasons for the Authority's decision pursuant to section 49A (Reasons for decisions) of the Electricity Act 1989.

Failure to comply with the conditions of this SIF Project Direction means that Ofgem may treat all or part of the SIF Approved Amount received by the Funding Party as SIF Disallowed Expenditure.

ANNEX 1: PROJECT BUDGET

SIF Project Direction costs	
Cost Category	Total Project costs (£)
Labour	517,416
Materials	0
Subcontracting	0
Travel and subsistence	0
Other costs	2,000
Total	£519,416

Project Partner	Total project costs (£)	Project contribution (£)	Total SIF Funding requested (£)	Project contribution (%)
UK POWER NETWORKS (OPERATIONS) LIMITED	£78,265.00	£7,830.00	£70,435.00	
Fermata Energy LLC	£56,950.00	£5,695.00	£51,255.00	
UK POWER NETWORKS SERVICES (COMMERCIAL) LIMITED	£37,676.00	£3,768.00	£33,908.00	
GREATER LONDON AUTHORITY HOLDINGS LIMITED	£2,500.00	£250.00	£2,250.00	
BARINGA PARTNERS LLP	£344,025.00	£34,403.00	£309,622.00	
Total	£519,416.00	£51,946.00	£467,470.00	11%

ANNEX 2 TO SCHEDULE: TEMPLATE OF BANK ACCOUNT DETAILS TO BE PROVIDED TO EITHER NGT (BOX.GSOSETTLEMENTS@NATIONALGRID.COM) OR NG ESO (revenue.invoice@nationalgrideso.com)

Company name:

Primary Contact Details (only one contact permitted)

First Name:

Last Name:

Email address:

Mobile phone number:

Work phone number:

Address details

Address name:

Street address:

City:

State / region:

Post code:

PO box: (if applicable)

PO box post code: (if applicable)

Banking details

These should be evidenced in non-editable format. The evidence provided must show company name and bank details and it should be dated within the last 6 months.

Any of the below documents will suffice:

- Bank statement (scanned document)
- Void cheque
- Paying in slip
- Screenshot of online banking (showing a logged in account with bank account and sort code, with browser visible)