Appendix A - ICT & Digital Strategy (2016-21) – Delivery Highlights for year 2018-19

Strategy theme	Programme / Project name	Programme / Project description and expected outcomes	Progress since March 2018	Current Position	Going Forward (April 2019 to March 2020)
Theme 1 Integrated ICT and Digital Services	Modern Workplace (part of overarching Business Enablement Programme)	• Delivering an updated technical infrastructure to enable the council's vision and strategy, specifically to support business transformation. • Delivering an agile, engaging and modern capability to carry out the council's work in an efficient and effective way that supports specific user's needs. This is a complicated portfolio that is geared towards the technology delivery and enablement of the city's workforce strategy.	• Programme formation and initiation. • Enrolment as one of only 5 organisations worldwide in the prestigious Microsoft First Wave programme to accelerate the council's move to Windows 10 and Office 365, including investment from Microsoft. • Procurement of approximately 3,000 new devices for staff. • Definition of technology strategies and technology approach to support Modern Workplace. • Technical and business readiness preparation and planning to commence rollout from May 2019. • Soft market testing to establish market interest in supporting BCC's Modern Workplace journey.	• Technical and policy designs and pilots in progress to begin rollout of Windows 10 and Office365 from May 2019. • Rollout to Capita ICTDS staff imminent. • Business engagement and readiness in progress for ASC to be the first business area to go live with Windows 10 and Office 365, followed by phased rollout to whole council.	• Complete rollout of Windows 10 and Office 365 to over 11,000 staff at over 300 location. • Support rollout with 'digital' resources for self-help, and face-to-face engagement to aid adoption, focusing on new ways of working to aid mobility and agility, supporting Forward Together and the Workforce Strategy.
Theme 1 Integrated ICT and Digital Services	Applications Platform Modernisation (part of overarching Business Enablement Programme)	• Delivering new Data Centre & Cloud Hosting capabilities to lower operating costs to the council • Refreshing our existing server hardware which is reaching end of life • Performing necessary platform upgrades for software that is reaching end of life for over 150 applications	• Application Platform Modernisation Project mobilised and approach agreed • Survey of estate conducted outlining which applications are suitable for migration to the cloud and which will remain on premise and be upgraded • Micro Strategies created to inform future direction of travel • Review of On Premise and Cloud Back Up solutions • Creation of initial 'Cloud Footprint' and capability within IT to support future projects • Application Rationalisation and simplification	Business case currently under production to finalise costs, savings and procurement paths	Dependent on final business case: • Procurement of data centre capability • Procurement of new hardware. • Upgrade and migration of applications to the new data centre and hardware capability to complete by March 2021 • Decommission applications
Theme 1 Integrated ICT and Digital Services	Cyber Security (part of overarching Business Enablement Programme)	• Delivering enhanced security monitoring and awareness, providing greater protection against potential cyber attacks. • The protection of computer systems from theft or disruption to hardware, software or data and the services provided to users and meeting our statutory, regulatory, contractual and legal obligations.	• Project formation and initiation. • Definition and agreement of approach to implementing the security strategy. • Assessment of RAND LGA security report and identification and prioritisation of corrective actions which are aligned to the Security Strategy. • Draft of Microsoft licensing business case to evaluate potential for savings through the use of the full Microsoft security suite.	• Security strategy implementation team appointed and due to start. • Detailed plan drafted. • Security governance forums identified and updated Terms of Reference due to be produced.	• Commence security strategy implementation and put in place technical and procedural security enhancements • Embed cyber security into existing governance forums such as the Information Assurance Board, and raise general awareness of the importance of cyber security awareness. • Address the priority items from the RAND LGA report.

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Theme 1 Integrated ICT and Digital Services	Networks (part of overarching Business Enablement Programme)	Delivering a secure and resilient IT network with sufficient capacity to manage current and future technical and organisational demands	• Spot fixes carried out on the Firewall to enable it to support current operational demands • RFP exercise to identify and procure a new Corporate Perimeter Firewall with sufficient capacity to meet current and forecast future demands over a five year period • Commencement of the WAN tender exercise to gain a new supplier for the corporate Wide Area network provider • Removal of gcsx as a secure email service in-line and on schedule with GDS recommendations and the enhancement of email security so that all BCC emails are now secured to government standards • Production of high-level requirements to commission a Corporate Voice Strategy and identification of a partner to produce the strategy	• Corporate Perimeter Firewall implementation underway and scheduled for implementation in April 2019 • WAN RFP underway • Requirements for a Corporate Network Strategy in production	• Completion of Corporate Perimeter Firewall and decommission of previous firewall • Completion of WAN RFP and appointment of a new provider • Upgrade the PSN and NHS N3 secure government connections to PSN and HSCN • PSN assessment • Production of Corporate Voice Strategy • Production of Corporate Network Strategy • Position in relation to Cisco 6509 switch replacement to be confirmed and action taken • Decommission of Centrex lines, where applicable
Theme 1 Integrated ICT and Digital Services Children's Trust	Birmingham Children's Trust – ICT Service implementation	The completion of the major work to create the ICT service for Birmingham Children' Trust	• Children's Trust implemented successfully with no major issues on April 1 2018 • Service Now service desk system changes implemented April 2019 • Governance - monthly performance review meetings in place to review performance against service level agreement - no issues or complaints received. • Improved, more strategic reporting process implemented	• No major issues or complaints • Monthly review meetings continue • Task and finish group in progress to review device software and access provision	To commence work on service improvements

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Theme 1 Integrated ICT and Digital Services	Carefirst replacement - Eclipse	• Improved and simplified workflow processes and forms • Removal of duplication of effort. • Consolidation of multiple systems, processes and workarounds • Provide additional functionality such as recording the voice of the child – a key requirement that the present system cannot do • Provide a modern platform fit for the future • Support stronger and more effective case recording and performance management. - Scope includes Adults Services and Children's Services casework; plus a fiscal application for both	**Children's Services Project** • **Business design and configuration complete.** • **Data migration at advanced stage of completion** • **Most activities to support go live now complete** **Adult's Services Project** • **Project formally commenced and key design and project principles agreed** • **Business model office agreed**	**Children's Services Project** • In advanced stage of preparation for go live. • Business assurance activities in progress • Final detailed planning for go live in progress **Adult's Services Project** • System design work underway • Data migration analysis and planning has commenced • Full project planning in progress	**Children's Services Project** • Go live date to be agreed – target Summer 2019 but dependent on success and acceptance criteria being fully achieved **Adult's Services Project** • Delivery continues, with a target to achieve go live by March 2020.
Theme 1 Integrated ICT and Digital Services	ERP – Replacement of our HR and Finance systems (including processes and associated business change)	The replacement of the current SAP system with an end-to-end ERP solution for HR and Financial Services, supporting the delivery of: • The new Council Plan • The Workforce Strategy • The ICT&D Strategy The Council must investment in its corporate HR/payroll and finance IT systems to underpin significant improvements in business processes, effectiveness and reduction in service costs	**Options appraisal and Outline Business Case for future ERP solution approved by BCC Cabinet 18th Sep 2018 - included soft market testing and industry representative product solution demonstrations to BCC business.** • **Procurement strategy and scoping documentation preparation & launch** • **Pre-Implementation / Organisational Readiness work streams initiated** • **High level programme schedule proposed**	• **Procurement process for replacement of ERP Solution started 04/03/19, via Crown Commercial Services Framework RM3821.** • **Full Finance & HR Specification for agnostic solution and Integration Partner** • **Pre-implementation / Organisational Readiness programme work stream rolled out.** • **Programme resourcing definition & rollout**	• **Procurement Evaluation and award and Final Business Case to BCC Cabinet on 23rd July 2019** • **Solution and Implementation Partner in place for implementation programme to start in September 2019** • **Phase 1 (Core HR, Finance, Payroll & Core Procurement) est. Sep 2020** • **Phase 2 (Residual Finance, HR, Procurement & Analytics) est. Feb 2021** • **Decommission of incumbent system Mar 2021**

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Theme 1 Integrated ICT and Digital Services	Northgate Housing HAD module – Case Management for Home Options	Implementation of a case management solution using our existing Service Delivery System Northgate Housing. HAD module delivered and configured including integration to the allocations system Abritas. Expected outcomes include: All data being stored in one place Reduced applications being used to operate Ability to provide new HCIC data back to Central Government	• Work progressed throughout 2018. • Delivered and Operationally live Jan 2019	• Now live and actively being used	• Project closed no further work required
Theme 1 Integrated ICT and Digital Services	Corporate Firewall Implementation	Implementation of the new corporate firewall network security	• RFP and PoC conducted and a new provider has been identified • The new Perimeter Firewall provider has been engaged • The hardware has been received and built • Target date for implementation is April 2019	• New Firewall has been built • Test plan constructed and in-delivery • Implementation plan schedules transfer to the new Firewall with increased capacity in April 2019 • Communications with the business have taken place • Business UAT plan in development	• Full development of the Corporate Perimeter Firewall potential • Decommission of the existing Firewall • Decommission of spot-fix virtual Firewalls
Theme 2 Digital Facilitation	Contact Centre telephony	• Provide modern cloud-based telephony solution enabling improved ways of working, supporting channel shift and contemporary methods of citizen communication. • Offers capability of full day-to-day management and development of the system to the business. • Key enabler for the transition from Capita.	• IT supplier in place and solution fully designed. • BCC build completed and tested for telephony. • Successful Pilot deployment with Housing Options Service in March 2019.	• Completion of deployment to all service users by June 2019. • Addition of email functionality for Contact Centre.	• Commencement of phase 2 to support channel shift with new ways of communication including WhatsApp and Facebook Messenger. • Decommissioning of legacy system by end of June 2019.

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Theme 2 Digital Facilitation	Brum Account	The BRUM Account enables citizens to register and manage their own account with functions including - • Simple Registration Process • Personalised welcome message • Online account maintenance, including ability to reset password • Enable authentication to service specific self-service solutions, once authenticated the service will be accessible via a single click from within the BRUM account • Each service will display a history of activities that shows last date accessed • Ability to retain partially completed forms which can be edited or deleted later • Find My Local (Local View) functionality with pre-populated address • Campaigns/Marketing functionality • Agent view allowing auditable transaction/ account creation by contact centre staff on behalf of the citizen • End to End service redesign for services	• June 2018 – Live with new BRUM Account Portal, Council/Business rates online, Parks, Neighbourhood advice/Election (internal only), complaints/compliments/comments • August 2018 - Introduction of web chat on birmingham.gov.uk • November 2018 – Live with Paperless Billing for Council Tax/Business rates • Jan 2019 – Live with Housing Rents online • March 2019 – Anti-Social Behaviour Live • March 2019 – Green Waste Live	• April 2019 – Live with Tenancy Housing Estate Management • April 2019 – Highways • April 2019 – Environmental Health • April 2019 – Waste Management • April 2019 - BRUM Account – Home page redesign • April 2019 - Decommission of old system • May 2019 – Private Sector Housing Services	Further developments along the following lines: • Chat Bots & AI • Personalisation • Housing Repairs • Benefits – View & e-notifications • Benefits replacement online New Claims • Benefits – Landlord Portal • Skips – Phase 2 advanced online payments & mapping • Statutory complaints – Adults & Children's services • Online how to videos • Single sign on • Customer Data & Insight • Omni- channel implementation • Social Media

Theme 2
Digital Facilitation
	Broadband in Local Authority Housing	Tendering open market looking for suppliers to provide offers in order to either:
		    a) provide infrastructure only with no service
		    b) Provide service only
		Provide both infrastructure and service
			Proof of concept (POC) for infrastructure only, is currently being managed to provide ultrafast broadband into 5 tower blocks in the North of the City. No service offering is being provided as part of the POC.
			Tender has been placed in open market and responses have been received and are currently being assessed
				Managing the Proof of Concept. Started on time and due to complete towards end of May.
				Tender assessment to be completed
					Assess tender returns, follow appropriate governance to arrive at a decision and if approval provided, initiate formally the full project of delivering broadband to local authority housing, either infrastructure only or infrastructure and service.

Theme 2 Digital Facilitation	Wi-Fi in public buildings	Free public Wi-Fi installed in over 127 buildings Increased staff agility and mobility Secure access to city corporate services	Installation to all sites completed Project moved to business as usual	Complete	Initiated the rollout of 'Govroam' wifi that enable Council staff and NHS staff to access corporate systems via the same access points, enabling greater collaboration and joint working capabilities.

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Theme 2 Digital Facilitation	Fully Automated School Admissions	The Provision of a new web portal service for Birmingham schools, for - • checking, adding and amending pupil records and movements • managing additional pupil entitlement information.	Project approved and underway, working towards completion in September 2019	Ongoing testing of new features and existing fixes.	Project development phase
Theme 2 Digital Facilitation	Smart Phones for Adult Social Care Staff	To purchase, configure and deploy smart phones to all Social Work staff in Adult Social Care & Health Services, enabling greater agility through improved mobile working	New proposal for Smart phone devices with full email and (data) tethering capabilities to facilitate agile working to include the Lone Worker application in the deployment.	Phase 4 deployment to be completed by end of March 2019	Target to close project by end of April 2019
Theme 2 Digital Facilitation	Community Libraries Self Service Phase 2	To install 25 customer self-service kiosks to be rolled across 19 library sites.	CCTV works at Acocks Green is now complete. Northfield cabling is also completed and RP has completed hardware setup.	Network port to be installed at Mere Green has been installed, cisco phone has been configured.	Project in final delivery phase
Theme 2 Digital Facilitation	Birmingham Children's Trust - replacement phones and Eclipse Voice system	Replacement of end of life Windows phones and enable voice recognition with the new Eclipse system	New Project	Currently obtaining and validating information about Children's Trust mobile phone users.	Deployments to commence from April 1st
Theme 2 Digital Facilitation	Commonwealth Games Athletes Village	Implementing a future proof digital infrastructure within the Athletes village that will enable the delivery of 5G applications and create a legacy digital infrastructure that ensures that citizens and homes have access to digital solutions and services without the need for retrofitting.	A number of telecommunication and infrastructure providers were requested to submit their proposals for the Athletes villages – These have been evaluated and a shortlist of suppliers established for further discussions.	A number of suppliers have been interviewed and their responses are being evaluated	Two providers will be selected as the preferred suppliers

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Theme 2 **Digital Facilitation**	**Smithfield Development**	Smithfield is the site for a new ambitious multi-purpose regeneration project, possibly one of the largest inner-city developments. Working with the development to ensure that the site implements the right digital infrastructure to enable the delivery of smart applications from lighting to energy, from smart homes to electric vehicle requirements etc. in order to deliver tangible benefits to citizens and businesses.	Smart City requirements were built into the tender process and each submission was evaluated against the requirements. IT&DS will continue to support as the development progresses	The development is at an early stage	Supporting the development
Theme 3 **Insight**	**Open Data**	The provision of council data in open and linked forms as part of a wider set of policy initiatives on data and its exploitation (UK Transparency Agenda, Local Government Transparency Code & The 'Right to Data'). Improving the quality and transparency of the data will hold in partnership with the Citizens of Birmingham. Improving outcomes for the services we deliver	Published an additional 31 data topics covering 65 new data sets. The OD platforms supports the delivery of the Big Data Corridor (BDC) project which helps businesses to understand the benefits and ways of using data to create new applications and solutions. A review of our ambitions, performance and opportunities for improvement s in how we manage, process and publish Open Data.	Continued monthly provision of corporate open and linked data i.e. supplier payments & purchase card transactions as well as wider data supporting Birmingham's response to the Local Government Transparency Code. Alignment of Data factory with BDC has led to new applications to support a new platform to assist with school admissions; a Health Platform implemented for data science analysis and manipulation; a Transport platform for smart cities, allowing traffic monitoring and congestion prevention; an Education Demonstrator, which monitors and analyses after school activities; The review is currently being prioritised into a set of improvement actions	Open Data agenda is now aligned to the Information Management Strategy and will be further developed as part this approach

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Theme 3 Insight	Information Assurance	An Information Assurance Plan has been established to enable the Council to meet its legal obligations to comply with the GDPR and Data Protection Act 2018. Overall the project is designed to improve the way the Council manages information for its citizens and employees. The expected outcome for the project is to achieve a Level 2 maturity criteria score in all areas of the Information Assurance Maturity Model (IAMM) and Assessment Framework by the end of December 2019. A subsequent plan will be identified and established after this milestone to map out our compliance programme to achieve a Level 5.	A project plan is in place to embed data protection management accountability across the council via 10 themes – (1). Governance; (2). Policies, Standards & Guidelines; (3). Data Inventory; (4). Strategy & Risk Management; (5). Procedures & Controls; (6). Information Security; (7). Third Party Management; (8). Regulatory Compliance; (9). Incident Management & Response; (10). Training & Awareness. Each theme has key activities and tasks with clearly identified work stream leads.	Each theme within the plan has been progressed with particular focus on the high risk priorities i.e. (1). Establishing a Council-wide Information Asset Register with associated Information Asset Owners; (2). Review of our 3rd parties (who we share our data with); (3). Ensuring we are assessing our ongoing risk position by embedding Data Protection Impact Assessments (DPIA) and (4). Training our staff on the fundamentals of Data Protection through mandatory e-learning modules. The plan is on target	• All tasks and activities within the 10 themes to be progressed and delivered to achieve a Level 2
Theme 3 Insight	Housing Management Operational Management Information	Management reporting in order to assess both general performance but also how Housing Management are contributing to both their own Key performance indicators and the overall Council objectives	Business requirements gathered Development and build of reports Testing Deployment	Reports are live but in stabilisation where any data errors are being picked up and either corrected in the report or fixed at source within the Northgate application.	Further management reporting being developed in order to assist both Management and Staff.
Theme 3 Insight	Information Management Strategy	The more effective use of data to create valuable and sustainable insight into the delivery of public services is a vital component of the Council Plan. The IM strategy and roadmap provide the framework for the delivery and this business case articulates the what, how and when. The appointment of an Executive SRO is a vital first step followed rapidly by the mobilisation of a team of in-house and external resources to deliver the strategy.	The Strategy has been developed and signed off	The Strategy is currently being converted into a deliverable programme delivery plan with associated strategic business case Once the strategic business case is approved this will be used to drive the delivery of the strategy.	Deliver the first phase of the programme

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Theme 4 Commissioning	Service performance over the period	Delivery of on-going ICT services during an extensive period of technological change across the council and major changes to the council's ICT Services operating model	• Approximately 11,000 enquiries per month raised via the ICT Service Desk • 95% of all incidents resolved within agreed service levels • 49.5% of all users have the ability to work remotely • Support of approximately 430 applications • Support of approximately 13,195 desktop and laptop devices • Customer Survey comments are 96% positive in January 2019 compared with 75% positive in January 2018	• Ensuring the ICT service is being provided in alignment with contractual obligations. BCC IT&DS are currently undertaking due diligence activities in readiness for the transition of ICT services from Capita ICTDS to Birmingham City Council, 1.8.2019.	• Ensure the ICT service is provided in alignment with contractual obligations. • Undertake due diligence activities up to a planned point in time, ensuring readiness of transition and/or commercial alignment to negotiated position. • Development of a day 1 'Target Operating Model'
Theme 4 Commissioning	Transition Project	Deliver a new council-led Information, Technology and Digital Service taking us up to and beyond the end of the current partnership with Capita which ends in 2021.	The plan approved by Cabinet in 27th March 2018 assumed that the Council would take a phased approach to the transition and transformation of services, thereby delivering efficiencies from the service. Significant issues were experienced in implementing this approach. A new initiative called "Shaping the Future" has started to focus on the future operating model of the service, taking into consideration, customer, staff and employee feedback Building on the establishment of our Enterprise Architecture Function a new strategic assessment capability and process has been put in place.	A new approach to split transition from the BEP Programme to mitigate risk of non-delivery. Once the ICT service is within the Council's control, the transformation will also be more assured. The new transition approach will mean the Council takes back control "as-is" and then develops and transforms the service when it has greater control. This would also mitigate the risk of significant impact on the ICT & Digital Strategy and the Council Plan	If Cabinet agree the partial termination of the Capita ICT Services contract as set out in the Cabinet Paper of 16th April, the Council will take over full control of the ICT service from the 1st August 2019 Development of a Future Operating Model to align with transformation i.e. Business Enablement Programme
Theme 4 Commissioning	Revised IT project governance and prioritisation process	New improved strategic approach for commissioning ICT projects and services	Development is dependent on the wider ICT supplier ecosystem design and planning work which will form part of the future operating model for the council's IT & Digital Service	Partner appointed to support the design and implementation of the Future Operating Model of the new IT and Digital Service	Improved strategic approach for commissioning ICT projects and services will develop as part of the wider work on designing the new IT & Digital Services operating model through 2019/20 and 2020/21.

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Theme 5 Governance	Revised IT project governance and prioritisation process	Re-organise ICT project governance to: - provide clarity to the organisation on the criteria used for assessing the viability of an ICT project request - in order to improve the quality of requests received - Establish a Strategic Assessment Board to receive and assess ICT project requests - Establish a governance framework for the new directorate structure - ICT Strategy Board and Directorate ICT Boards - Provide continuous feedback to directorates on the quality and outcomes of ICT requests made by their directorates Develop a mechanism for assessing the relative importance of ICT projects to inform prioritisation and decision making	- New governance model published on BCC intranet - Strategic Assessment Board established and reviewing all new project requests - ICT Strategy Board membership refreshed to reflect new directorate structure - Project prioritisation tools/methods researched and beta model developed and in test	- Reporting of ICT project requests back to directorates has just commenced - One Directorate ICT Board established - and work underway to establish the remainder - Initial discussions started with Corporate PMO regarding linking prioritisation to business planning - Strategic Assessment Board is evolving based on learning from its 8-weeks of operation - Beta testing of prioritisation approach underway but lacking inputs for projects under £200k	- Refinement of the prioritisation method, including the possible introduction of simple business cases for all discretionary projects over [+£50k] - Roll out of the Directorate ICT Boards to remaining directorates - Working closely with directorates to improve the quality and alignment of ICT project requests
Theme 5 Governance	Reference Architecture	A Reference Architecture provides a template based on the generalisation of a set of solutions and components. It gives a reference point that describes services and components used in the estate and aids in reuse, supports rationalisation and reduces risk of proliferation of different services and technologies. The reference architecture speeds up solution development and design and supports cost avoidance and cost reduction. Once developed it will form the strategic blueprint and roadmap for the development of a 21st Century Digital Council	Development of Logical Reference Architecture, Development of Micro Strategies supporting the Logical reference architecture to inform programme delivery.	Continued iterative development of Micro Strategies supporting the Logical reference architecture to inform programme delivery.	Continued iterative development of Micro Strategies supporting the Logical reference architecture to inform programme deliver. Development of Conceptual and Physical Reference Architectures viewpoints. This will form the basis of the new ICT & Digital Strategy 2021-2025

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Theme 6 Innovation	Technology Roadmaps	• Working with Directorates to identify where IT can help support key strategic challenges and issues • Raise awareness of existing, new and emerging technology to support business transformation • Lead and shape directorate business plans by aligning the Council's ICT & Digital Strategy	• Supporting Adults Social Care to develop an Equipment and Assistive Technology Strategy • Supporting the Information, Advice Group to improve engagement with the workforce and citizens • Developing use cases for 5G opportunities • Fully developed roadmaps for all directorates	• Secure funding from Local Digital Fund to support social care transformation • Secured BETTER project to develop collaborative approach to innovation	Workshops and ideation sessions with business areas to identify transformation and service redesign opportunities
Theme 6 Innovation	PURE COSMOS (Public Authorities Role Enhancing Competitiveness of SMEs):	The project focuses on the role that public authorities can play in enhancing the competitiveness of SMEs by making the business climate more transparent and reliable, supporting the needs of SMEs and promoting modernisation of public services	Development of Birmingham's Regional Action Plan under consultation with GBSLEP and Stakeholders resulting in 4 Regional Actions - • to establish a Regional Better Business for all Group of Regulators • to increase visibility and access to data and web intelligence to support data-driven decision making • to support new and innovative procurement approaches • to enable regional SMEs to benefit from 5G technologies. Technical Import Workshop in Sept attended by key partners to inform RAP development. Speaker and Panel attendance at City of Barcelona's Regional Knowledge Transfer Conference led by Government of Catalonia (13/14 Mar 2018).	• Birmingham RAP submitted for Approval. • Now awaiting feedback from Interreg Europe's Joint Secretariat, following which sign-off of RAP actions by leader stakeholders • Commissioning of a data feasibility study and co-ordination of Exchange of Experience activities RAP monitoring.	• Commence Phase 2 with continued leader activities for Exchange of Experience and co-ordination • Set up and monitoring of RAP • Delivery of the Data Feasibility Study.

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Theme 6 Innovation	CITY4AGE	Elderly-friendly city services for active and healthy ageing aims to help individuals capture and make use of their personal data along with other information in a way that will help them maintain their independence for longer.	Continued pilot activities with 35 active participants – e.g. • data collection from the wearable devices • dashboard data analysis and interpretation • clinical assessments with project geriatricians • user engagement and validation sessions • issuing technology based and manual interventions.	• **Project Ended 30 November 2018** • **Final Review 29/30 Jan 2019 in Brussels** • **Project Closedown activities in progress and final grant payment being processed.**	**Project ended November 2018**
Theme 6 Innovation	**PULSE (Participatory Urban Living for Sustainable Environments)**	A data science project that will harvest open city data, data from health systems, sensors and personal devices to examine environmental and social exposures (air quality) and behavioural risks (inactive lifestyles) to provide citizens/communities with access to new data insights to encourage healthier lifestyles and better awareness of the risks such as Asthma and Diabetes.	• **139 Fitbits deployed in the targeted East Birmingham area across schools and local community groups (inc. engagement with the Pulsair App) and associated data collection and dashboard development** • **175 baseline questionnaires completed and 6 schools signed up to host air quality monitoring devices providing local granular air pollution data.** • **EC Review 14 Mar 2019 Luxembourg**	• **PULSE: FiiB process to procure services to install AQ devices in school/community locations** • **continued data collection and analysis from wearables, AQs and App**	• **Installation of AQ devices in school/community locations** • **Continued data collection, analysis and interpretation including the additional AQ data** • **Development of UI dashboard; technology and data validation activities via user engagement sessions.**
Theme 6 Innovation	**Big Data Corridor:**	Driving growth and development for businesses in Greater Birmingham and Solihull	• **engagement of SMEs through masterclasses and demonstrations; delivered business assist** • **supported new start-ups, research collaborations and the creation of new products such MyEd's Admissions management systems for LEA's helping to reduce the cost of managing admissions and schools search and match system for parents with third party access (using unique data matching algorithms).**	To date the project has delivered: • **12 hrs business assistance delivered to SMEs;** • **support to new start up** • **research collaboration with University** • **creation of new products to market** • **new products for SMEs**	• **On track to deliver all outputs** • **Project due to end 30 September 2019 with Project Closedown activities commencing October and submission of final grant claim for processing.**

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Theme 6 Innovation	CoSAFE Project – (Cooperative, Connected , Intelligent Vehicles for Safe & Efficient Road Transport)	A project to develop innovative cooperative connected and intelligent vehicles (CIV) technologies and applications with world-leading researchers	• Grant Agreement signed by European Commission, Declaration of Honour signed by all partners • Project kick-off meeting 22 Nov 2018 in Bham • Consortium Agreement negotiated and signed	Project partners are currently developing a paper on Millimeter-Wave Communications for submission to The Multi-disciplinary Open Access Journal	BCC is a local policymaker and a member of the European Core Cities (20 members) and will invite specific audiences (transport and telecommunications departments, car manufacturers, public authorities and policymakers) to policy meetings with COSAFE partners to discuss and share the policy practices on V2X and CIV services.
Theme 6 Innovation	Moving from Paper forms to Eforms	Attempting to move away from paper forms for staff based "in the field". Expected outcome is to cut down on the double entry and manual work required to administer the various processes that currently rely on paper forms to record information	Mainly analysis and scope definition Various prototypes have been developed Assessment of forms against existing technologies Business requirements gathered in some areas	Ongoing assessment against existing technologies Progressing the areas in Housing that have been identified to date	Decision making to take place and development of a full solution
Theme 6 Innovation	Digital Leaders Week 17-21 June 2019	Together with the Future Cities Catapult initiative, these events will bring together 10 of the UK's most innovative Cities to run a programme of activities	The council was approached in March 2019 to support this week of events.	The council has approached various stakeholders and Digital Birmingham partners – • WMCA & Ministry of Justice – both are keen to support and potential creation of a "OneTeamGov" Hack event • Aston University, Birmingham • City University • Innovation Bham • Innovation Alliance Network.	Currently compiling a calendar of partner events to promote during the week 17-21 June 2019