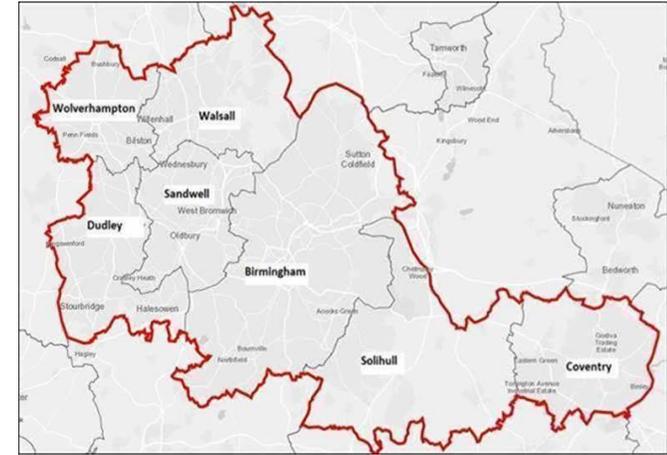


West Midlands 5G

Transforming the West Midlands

Barrier Busting

Rhys Enfield
September 2019



WM5G – What's our remit?

Future Telecoms Infrastructure Review priority areas - July 2018

Make it easier and cheaper to deploy mobile infrastructure and support market expansion, including the implementation of the wide-ranging reforms to the Electronic Communications Code (ECC), on site access and consideration of further planning reforms

Support the growth of infrastructure models that promote competition and investment in network densification and extension

Fund beneficial 5G-enabled use cases through the Government's 5G Testbeds and Trials Programme, to help de-risk business models for 5G; and

Promote new, innovative 5G services from existing and new players, through the release and authorisation of additional spectrum



WM5G – What's our remit?

DCMS 5G Testbed and trials

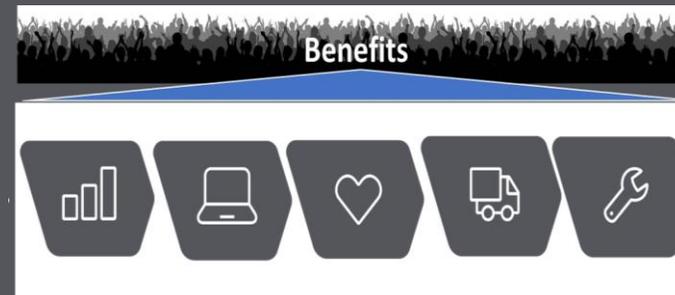
Urban Connected Communities project awarded
Sept 2018

WM5G formed March 2019

The testbed will be used to trial developing technologies designed for the delivery of both public and commercial services, with an end goal of supporting economic development by stimulating the 5G ecosystem.

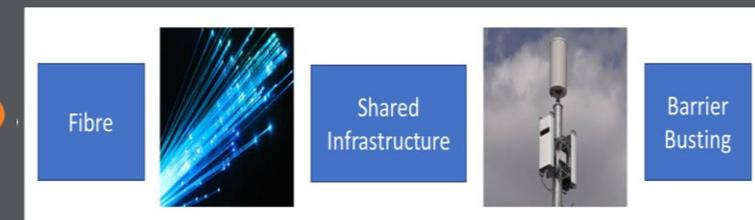
It will also allow industry to test different deployment models for 5G infrastructure and help to inform the development of policy and regulation to support 5G deployment.

WM5G what we are doing



Test, prove and scale
new 5G services

Accelerate 5G & fibre
networks



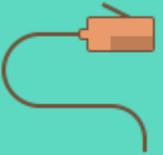
Infrastructure Acceleration

Investigate new ways of working that speed up the deployment of 5G and reduce the cost



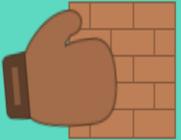
Shared Infrastructure

Neutral Host and Passive sharing Solutions
Small cell solutions (Indoor/Outdoor/Passive/NH)
Collect and map public assets, providing a simple process to access them



Fibre

Investigate the extent of full fibre across the region
Identify business cases to support wider full fibre rollout
If viable, facilitate the delivery of more full fibre



Barrier busting

Issues arising from the Electronic Communications Code -
Interpretation and Implementation
Town and Country Planning Challenges
Templated Standardised Wayleaves and Agreements

Aligned with FTIR and UCC requirements



What we bring



Reflecting on the Goal

“help to inform the development of policy and regulation to support 5G deployment.”

Identified the phases we have been through with an understanding of needing to share with the larger ecosystem

Key building blocks identified

The last 9 months of progress.....

Discovery

December 2018

Understand the problem

Who's who

Making the contacts

January 2019

Assess expertise

Resource and capability

Start the Gap analysis

Old code - described by the courts as being "one of the least coherent and thought-through pieces of legislation..."

"Concerns that the New Code is badly drafted and unlikely to deliver on the intentions of the legislators appear to be justified".

Lack of legal precedence is creating a waiting game.

The last 9 months of progress.....

Learning

February 2019

How do we fill the gap?
What are the councils missing?
What are WM5G missing?
What are MNO's missing?
Research into the Code/NNPF

March 2019

Leverage contacts within
the industry – start to break
down the barriers.
Direct dialogue, not through
multiple 3rd parties

Building a greater
understanding of the
different view points

Become educated and
start to create a plan to
close the gaps

Initial Infrastructure
Acceleration plan!



The last 9 months of progress.....

Implementing

April & May 2019

Progress - start to move from education to intervention.

Start to get into the details and specifics within the Councils and Operators

Moving to more detail in the Code and starting to NPPF

June 2019

Councils starting to embrace the bigger picture and the WM5G project.

Socio economic benefit V financial benefit of rental income.

Help councils avoid litigation - the Operators using the code powers.

Social revolution has started – TV on the phone, social media

5G will support the 4th Industrial revolution



The last 9 months of progress.....

Sharing

July 2019

Standardisation of approach,
simplification of approach.

Standard agreement, process, costs.

People now coming to us for help.

MNOs seeing the benefit of our input.

August 2019

More of the same

Steps/flowchart?

4 Cities information sharing

Digital Champions and
Coordinators in all 7 LAs

WM5G proactive assertive
approach - 'Honest
Broker' with the MNOs
and Councils

Wider net – starting to
provide advice to other
councils outside WM and
constituent councils

Dialogue V
silence/email
Collaboration not
Confrontation



Barrier Busting successes so far

Quotes from some of our councils

“WM5G’s Infrastructure Accelerator team have provided the Council with a range of support including workshops on key issues such as understanding the code and its implications.....**providing technical knowledge to aid with negotiations with MNOs and addressing other barriers that have arisen**”

“From my perspective the added value to date has been **acting as a critical friend and providing access to specialised support where LA’s have lacked expertise or capacity** in dealing with the requests from MNO’s for infrastructure upgrades”

Barrier Busting successes so far

Quotes from the operator JVs

“Working with WM5G has been wholly positive for providing education, expertise and advice to councils in relation to the new Electronic Communications Code and NPPF T&C Planning.”

“WM5G have a pro-active ‘barrier busting’ mind-set – they identify what the issues are, who are the interested parties, and how we can work together to find a mutually acceptable solution.”

“In respect of planning applications, WM5G have provided valuable feedback on pre-consultation activities and have facilitated meetings between councils and the Operator planning team. **This has enabled dialogue and intervention where planning may otherwise have been refused due to a misunderstanding.**”

“WM5G have been instrumental in facilitating dialogue between operators and councils, and advocating the local councils to appoint Digital Champions and Coordinators.”

“They are in constant transparent communication with us as operators, keeping us informed of progress with their LA engagement. Ultimately any working relationship should be built on trust and respect and WM5G have delivered on both.”

“Valuation assistance coupled with their promotion of the use of standardised Code Agreements is **reducing the time taken to achieve 5G rollout.**”



Wolverhampton gets 5G

Wolverhampton is delighted to be one of the first cities in the UK to launch 5G

Cllr Beverley Momenabadi said “We’re committed to make Wolverhampton a leading city for UK connectivity and innovation. Wolverhampton is delighted to be one of the first cities in the UK to launch 5G – thanks to the pioneering efforts of the Council, supported by mobile operators and West Midlands 5G.”



What next?

- More of the same..
- Formalise what we have done and create 'toolbox'
- Expand to the outlying West Midlands Councils
- Share documentation with DCMS for national dissemination
- Opportunity to support beyond the West Midlands



Thank You

Questions?

