



Rural Coverage PCC & Local Community 'Information Pack'

For any queries or more information please contact the NET CS CoE Rural Programme Coordinator:
Steven Morgan:

Office: +44 1276 854 440 - option 1 | Email: steven.morgan@netcs.eu

Or visit the NET CS and CoE websites:

www.netcs.eu

<https://www.parishbuying.org.uk/categories/phone-and-broadband/net-cs-rural-mobile-coverage-initiative>

NET Coverage Solutions Limited (NET CS) is a supplier approved by Church of England Central Services Trading Limited



Index	
Description	Section
Overview & Summary	1
The Joint Accord	2
Example benefits to the parish community	3
About NET CS	4
Faculty & LPA Process	5
Local Network & Church Specific Design Methodology	6
Health & Safety	7
Typical Questions & Answers	8

Section-1 Overview & Summary

NET Coverage Solutions Limited (NET CS) is a supplier approved by Church of England Central Services Trading Limited

Background

Historically it has not been financially viable for the Mobile Network Operators [MNO's] to install mobile coverage to some rural communities because the initial Capital costs and the long-term Operational costs out-weigh the resultant revenue.

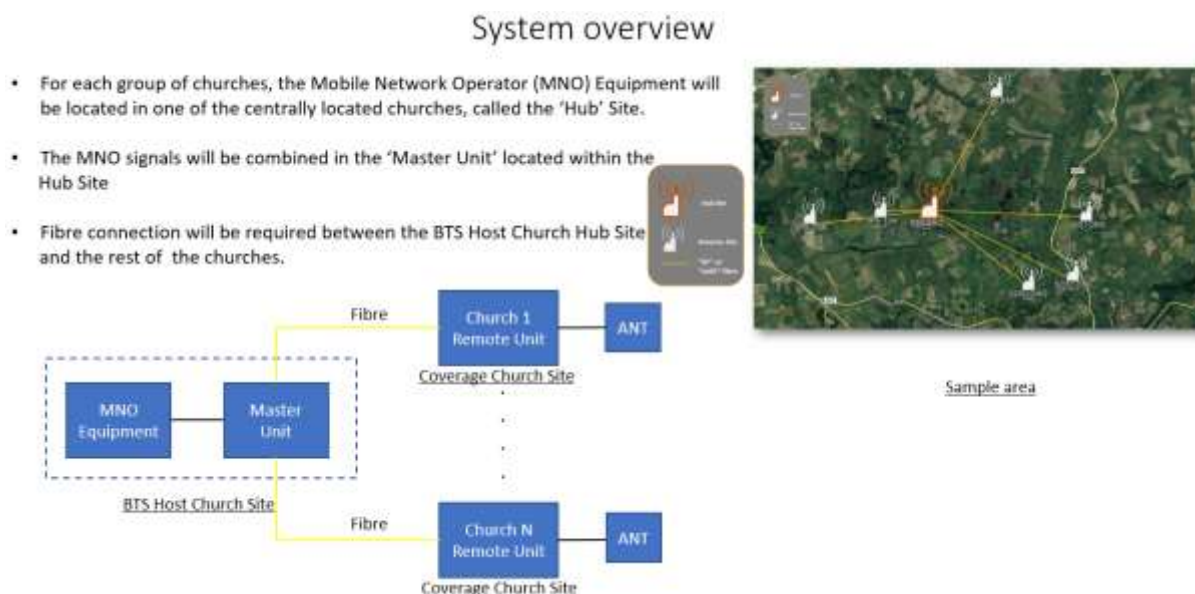
In February 2018 the National Church Institutions of the Church of England [CoE] and Her Majesty's Government published a joint Accord associated with the potential use of church buildings and land, to support the increasing need for internet and mobile signals throughout England and Wales.

- There is a CoE / CiW church in most rural villages and communities.
- A church is typically centrally located and is the tallest structure within a rural community.
- The NET CS antennas are small and inconspicuous.
- The typical alternative MNO coverage option in a rural community would be to install a heavy-duty greenfield tower or multiple Small Cells located on the chimneys of private homes.

The NET CS Solution

Working closely with the CoE, Active equipment manufacturers and the MNO's, NET CS have determined a technical solution to facilitate multiple MNO 3G, 4G & 5G coverage solutions at a fraction of the cost of a traditional standalone MNO Macro site or multiple Small Cells.

In basic terms, utilising the CoE portfolio of over 16,500 church buildings, subject to the connectivity distances between sites, NET CS will deploy coverage in groups of typically between three to ten or more church sites.



At each of the coverage church sites NET CS will install four small wideband antennas as high up on the church tower as possible to achieve the optimum coverage to the local community (one on each face to provide 360-degree coverage), and two small wall mounted RRU's routed via fibre connectivity to one of the coverage churches where the MNO's BTS radio equipment will also be located together with associated Attenuation and other NET CS equipment used to separate and route the individual MNO frequency bands to each respective MNO BTS equipment cabinet/s.

NET Coverage Solutions Limited (NET CS) is a supplier approved by Church of England Central Services Trading Limited



In simple terms, the NET CS solution is similar to a multiple MNO in-building Distributed Antenna System [DAS], such as East Village, the former 2012 Olympic Games athletes village where NET CS designed, installed and now maintain a DAS where the MNO's BTS equipment is located in a purpose built equipment room in the basement of one of the high-rise apartment buildings with circa 12.5km of fibre routed from that location to thirty-seven other high-rise buildings where NET CS have installed a DAS providing in-building coverage. The principal difference with the NET CS rural solution is that instead of in-building coverage, the remote sites will be providing outdoor coverage – an ODAS solution.

Because of the nature of the coverage solution NET CS will offer the coverage footprint achieved at each antenna location to the MNOs and NET CS will be responsible for maintaining that coverage footprint within agreed KPIs.

Why will the MNOs (Vodafone, EE, Telefonica O2 & 3UK) adopt the CoE-NET CS solution?

In very basic terms, the CoE - NET CS solution will enable all the MNO's to fulfil their requirement to achieve rural coverage at a fraction of their normal initial capital cost and at a fraction of their normal long-term operational costs.

With all capital and operating expenditure considered, on a nationwide scale, assuming 50 groups of six sites (300 Mobile Coverage Not-Spots), the individual MNO Capital savings will be over £30-million, and the Operational savings will be over £90-million over the term of the agreement.

The MNOs will only be asked to pay the initial one-off Connection Fee and enter into a commercial agreement associated with the coverage footprint once NET CS have surveyed, designed and secured all the necessary CoE Faculty and Local Planning Authority approvals, therefore from the MNOs perspective the NET CS solution is risk-free.

A church site offers the MNO's a long-term stable solution i.e. unlike a commercial site provider, a church is not likely to be sold or redeveloped.

Why do local communities support this initiative?

NET CS and the Church of England firmly believe that a drastically improved connectivity, particularly in rural areas, will bring about important practical benefits to congregations, local communities, local businesses and visitors alike.

- One third of mobile phone users, or 17 million people, across the UK report poor or no reception at home, there remains a considerable number of 'not spots' in Britain.
- The latest estimates suggest that 28% of all rural areas in the UK remain without coverage.
- Mobile phones are essential to everyday life. Over 95% of British households now use mobile phones and 71% of domestic businesses consider mobiles to be crucial or very important to their operations.
 - Communicating with friends and relatives
 - Emergency services calls
- For large businesses, the most common reasons were to communicate with colleagues and partners, and to monitor the safety of staff working, and a lack of flexibility in decision making.
- For small businesses, communication with customers/potential customers and marketing are rated as the most common reasons for needing a mobile phone, key issues were hindrances in building contacts, contacting suppliers/business partners and loss of profit.

NET Coverage Solutions Limited (NET CS) is a supplier approved by Church of England Central Services Trading Limited



- About 50% of both large and small businesses indicate that being located in a not-spot area adversely affected their profit, turnover and productivity.

“Lack of mobile phone services may affect the long-term sustainability of rural communities”

All NET CS's managed sites are designed safe to the public, through appropriate management of exclusion zones and output powers that have to align with the European regulations, and typically these sites operate at levels significantly below the ICNIRP guidelines and fall well below regulatory levels.

- Compared to normal MNO sites, a NET CS site operates at 95% less power out-put.
- The NET CS installation/s will provide a critical service to each local community including digital metering

Why do the CoE support this initiative

From the Church of England's perspective, each church hosting the NET CS equipment will be providing a critical service to their local community and the long-term rental income they will be paid will help each church to fulfil its wider local community mission, improving the sustainability of both the rural community and of its parish church.

Unlike a commercial site host, the monies paid to each church will be used for the benefit of the parish community, and also for the critical up keeping of the fabric of our historic heritage church buildings.

This new and exciting Rural Coverage Project will provide not only far greater opportunities to rural communities but will also strengthen the Church of England's position in supporting the growing need for and provision of a digital United Kingdom.

- This rural initiative will achieve the ambitions and objectives of the Joint Accord
- NET CS is a trusted CoE partner who have been working with the CoE since 2004

Why will DACs support NET CS's proposals

Each proposed design is bespoke and carefully considered to ensure the least impact on the fabric of each historic church building.

The long-term income derived by each church will help each PCC to maintain the UK's dearly loved heritage of historic church buildings

This rural initiative will achieve the ambitions and objectives of the Joint Accord

Why will Local Planning Authorities support the CoE-NET CS initiative?

Over and above the critical service and benefits of the connectivity and mobile coverage each church will be facilitating, the one-off sum and the long-term recurring revenue NET pay each church will help each church to fulfil its wider community mission, improving the sustainability of both the rural community and of its parish church.

Each Local Authority will have the assurance that the full rigors and requirements of Faculty will be followed to the letter.

As part of this process, NET CS also consultant with i) Historic England, ii) Joint Committee of the National Amenity Societies (this comprises The Twentieth Century Society, The Georgian Group, The

NET Coverage Solutions Limited (NET CS) is a supplier approved by Church of England Central Services Trading Limited



Ancient Monument Society, SPAB, the Victorian Society and the Council for British Archaeology), and
iii) National Parks

The NET CS proposal utilises an existing structure, and the visual impact will be minimal because the antennas are small and will be painted to match the existing stone.

The only alternative option of providing the same level of multiple MNO coverage would be the installation of a heavy-duty greenfield tower which will have a significantly greater visual and environmental impact.

Will Historic England and other Societies support the proposal?

NET CS cannot deny Historic England would prefer not have antennas etc. installed at a church or any other historic building, however in every instance NET CS will take great care to mitigate any impact on the fabric of the church including the visual impact, and any installations will be reversible; also the monies paid to each church will help maintain these historic structures which we all dearly love, including members of the local community who may not attend church but would not want to see it fall into disrepair i.e. whether they attend church or not, a church is a fundamental part of the community.

NET Coverage Solutions Limited (NET CS) is a supplier approved by Church of England Central Services Trading Limited



Section-2

The Joint Accord

NET Coverage Solutions Limited (NET CS) is a supplier approved by Church of England Central Services Trading Limited

CHURCH OF ENGLAND AND HM GOVERNMENT
JOINT ACCORD ON USE OF CHURCH LAND AND BUILDINGS TO SUPPORT DIGITAL
CONNECTIVITY
18 FEBRUARY 2018

This Accord is between the National Church Institutions of the Church of England (“the NCIs”) and Her Majesty’s Government acting through the Secretary of State for Digital, Culture, Media and Sport, and the Parliamentary Under Secretary of State for Rural Affairs and Biosecurity (“HMG”).

Background

The NCIs and HMG recognise that a modern telecommunications infrastructure is vital for a vibrant economy and inclusive society. By working together with mobile and broadband providers, we believe that we can help deliver improved connectivity, particularly in rural areas, and thereby bring about important practical benefits to congregations, local communities, local businesses and visitors alike. We recognise that it may be possible to use some Church of England churches and other Church-held buildings or land to host digital infrastructure. This Accord recognises that, consistent with the long-standing role played by church buildings as a focus of community cohesion and spirit, by encouraging the wider use of such assets we can help improve connectivity and its consequential benefits to those areas where coverage does not currently exist, or where it is of poorer quality.

Objective

With that objective in view, this Accord is intended to set out our common understanding of the benefits which may result from improved digital connectivity, and the aspirations of the NCIs and HMG in relation to the use of Church land and buildings (“Church property”) to support digital connectivity, in particular through the hosting of infrastructure to provide broadband, mobile and Wi-Fi connectivity to areas where this is currently sub-optimal. This Accord recognises that the NCIs cannot and do not seek to speak on behalf of the autonomous legal entities and office holders at a parish, diocesan and national level. This Accord is not a legally binding document and does not create obligations which can be enforced against HMG or NCIs or any other Church entity. Each Church entity must take its own decision regarding the use of property for which it has responsibility. This Accord seeks to encourage Church entities to consider and promote the benefits which may result from hosting digital infrastructure and sets out the steps which HMG and the NCIs intend to take.

Detail

Improvements in digital connectivity have a wide range of benefits. Such benefits may include better access to online public services, improved social interaction with family and friends and the ability to take advantage of all the digital economy has to offer. An effective online presence can ensure that local businesses can extend their reach and better compete with other businesses, or in the case of tourism businesses, better attract visitors to the local area. Greater connectivity can support access to skills and training, resulting in improved productivity, and can lead to further local employment opportunities that boost the wider local economy.

The ability to communicate with others is a prerequisite for many aspects of the Church’s mission. It follows that these benefits will assist the mission of the Church, consistent with its desire, given effect through its Renewal and Reform programme, to become a growing church for all people and for all

places. Improved communications can of themselves constitute valuable, practical care for those within a parish or community.

Other possible pastoral benefits may result from wider connectivity, including improvements in the Churches' own contact with parishioners who find travel and transport difficult, older members of the community, and those who may be isolated, particularly in rural areas. Where online channels are more widely available, they can be used as part of outreach activities and to build community with and beyond the church congregation. In addition, improved connectivity can allow churches to host a wider variety of community services such as Post Offices, shops or GP surgeries. Finally, the terms of any agreement with telecoms providers to host infrastructure may have other benefits, including not only the income generated by the agreement (noting the expected reductions in such payments that are anticipated as a result of the recent Electronic Communications Code reforms), but also the potential for other mutually beneficial terms, to be agreed, such as sharing the cost of maintaining a church tower or spire on which equipment may be mounted.

Individual parishes, and others with responsibility for Church buildings and land, will need to consider all the factors concerned with using Church land or buildings to host digital connectivity infrastructure. This Accord encourages them to do so within the context of their own priorities for mission, relevant planning controls, and their legal obligations both as an organisation and relating to the care of Church property, and appropriate guidance provided by the Church Buildings Council and Historic England. This recognises that the Church comprises a number of autonomous entities and office holders with different legal obligations and that the property may also be subject to third party agreements. Such entities may also have their own aspirations for the use and development of their properties in support of the Church's mission. Similarly, dioceses will, through their Diocesan Advisory Committees (DACs), need to balance the identified benefits of telecoms provision in the particular circumstances of the parish with other relevant factors.

Actions

In the interests of promoting improved digital connectivity: The NCIs and HMG propose to take the following steps:

- HMG will take action to support improved connectivity across the UK, including in rural areas, and will continue to work with mobile and broadband operators to encourage investment that will deliver connectivity improvements. HMG will offer support, where appropriate, to help resolve barriers to delivering this ambition, and will help facilitate discussion between all parties.
- HMG will seek to provide advice and resource, as appropriate, to the NCIs to support the NCIs' efforts to enable individual dioceses, parishes and other landowners to consider supporting digital connectivity.
- HMG will do its best to provide coaching support for parishes and dioceses to help them develop the necessary skills needed to develop and progress digital infrastructure projects.
- HMG will encourage mobile and broadband operators to work proactively and pragmatically with owners of Church property to achieve the aims set out in this Accord, recognising that telecommunications infrastructure has siting and design requirements, and that the parties will need to put in place a suitable and commercially robust agreement.



- The NCIs will encourage where possible the development of guidance for dioceses, parishes and Chancellors which has in view a consistent approach to the use of Church property to enable digital connectivity.
- The NCIs will co-operate with mobile and broadband operators, to seek to establish a standard framework contract that could be put in place for church entities to use in contracting for connectivity in areas with no conventional wired broadband provision. Development of this framework contract will be at the operators' cost and in full knowledge that individual agreements will have to be negotiated with parishes or other landowners, and that these are not required to use such a framework contract.
- The NCIs will include digital connectivity within the remit of the Media Bishops Group. The Media Bishops Group will act as a conduit between the NCIs and dioceses in relation to any policy questions which arise.

The Rt Hon Matt Hancock MP, Secretary of State for Digital, Culture, Media and Sport

Lord Gardiner of Kimble, Parliamentary Under Secretary of State for Rural Affairs and Biosecurity

Mr William Nye LVO – Secretary General of the Archbishops' Council

The Rt Revd Dr David Walker, Bishop of Manchester – Deputy Chair of the Church Commissioners

NET Coverage Solutions Limited (NET CS) is a supplier approved by Church of England Central Services Trading Limited



Section-3

Benefits to the Parish Community

NET Coverage Solutions Limited (NET CS) is a supplier approved by Church of England Central Services Trading Limited

Examples of the benefits to the parish community

- The mobile phone coverage and the high-speed fibre connectivity installed as part of the proposal will help each church to fulfil its wider local community mission, improving the sustainability of both the rural community and of its parish church.
- In the event of emergency, having a mobile phone can allow help to reach you quickly and could possibly save lives. However, the importance of mobile phones goes way beyond personal safety.
- Modern mobile phones are capable of internet access, sending and receiving photos and files, and many mobile phones are equipped with GPS technology, allowing for use in most locations around the world and allowing the mobile phone to be found or the user located in the event of loss or emergency.
- Often one of the biggest difficulties to someone becoming independent in their community is the worry about being safe. What if I get lost? What if I get hurt? What if the bus does not come? What if I am late? What if the community centre is closed when I get there? What if I cannot find a pay phone to use? The “what if’s” do not need to stop you from going out and enjoying activities in your community.
- A cell phone or a smart phone is a tool that can give you independence while providing you with a safety net if you ever have a need for it.
- Having a mobile phone will provide many residents with a sense of security
- It will enable residents and visitors to always be in contact with their family and friends.
- In an emergency the Police, Fire and Ambulance services can be contacted immediately from the scene.
- Good quality mobile phone communications are considered critical to local businesses
- A good mobile phone signal is necessary for Digital Metering
- On-line banking and the payment of bills via your mobile
- Because the signal in the church will be delivered to the church via a fibre-optic cable, the village could then benefit from the availability of an alternative, high-speed internet service.

Section-4

About NET CS

NET Coverage Solutions Limited (NET CS) is a supplier approved by Church of England Central Services Trading Limited

1. General Overview

NET Coverage Solutions was established in 2004 to provide dedicated cellular telecoms services, encompassing site acquisition, design, and build services directly to the Mobile Network Operators.

NET is now an approved Acquisition, Design & Construction [ADC] supplier to all the Mobile Network Operators' [EE, O2, Vodafone & 3UK) and their associated deployment and estates management companies, Cornerstone & MBNL.

NET is ISO9001, ISO14001, OHSAS 18001, Safe Contractor, RISQS Accredited, & NET CS is fully compliant with the General Data Protection Regulation (GDPR) requirements.

NET is the only company in the UK providing both indoor and outdoor coverage solutions in-house.

It is because of NET's experience and expertise in all technologies, special coverage and both indoor and outdoor coverage solutions is how and why NET was able to develop and determine the rural coverage solution now being rolled out.

NET's business is spread over two principal divisions, 1. Special Coverage & 2. Macro ADC, and a third and fourth division, 3. Managed Services which offers in-building mobile coverage to businesses and landlords direct, and 4. Rural coverage working in partnership with the CoE. Divisions 3 & 4 draws on the experience, expertise and resource within the principal divisions 1 & 2 to support these two new and exciting opportunities.

2.1 Special Coverage Division including a Small-Cell sub-division

- NET is one of the largest Special Coverage consultants in the UK with considerable experience in all types of in-building & in-tunnel coverage solutions and technologies including BTS and Repeater based systems, SpiderCloud LAN, CommScope and Huawei based solutions, including Small-Cell deployment of Femto's, Light Radio, Metro-Cells and the rapid deployment of VIP temporary coverage solutions.
- ❖ NET have designed and installed over 2,000 indoor DAS (Distributed Antenna Systems) solutions, and over 3,000 Small Cells.
- ❖ Dedicated Point of Interest in-door systems currently in-build include the new Tottenham Hotspur Stadium, Newcastle Airport, and Bristol Airport.
- ❖ Other dedicated indoor coverage sites completed by NET CS include:

Downing Street, Numerous Royal households including Windsor Castle, Westminster City Council, Portcullis House, Somerset House, Various 2012 Olympic Games venues including the Velodrome, the Savoy, Dorchester, Grosvenor, Cafe Royal, the Ritz hotels. The Wing Silverstone, London City Hall, Wimbledon, Liberty Stadium, Stansted Airport, City Airport, Gatwick South Terminal, Heathrow, Blackwall Tunnel, Rotherhithe Tunnel, Numerous BBC & ITV buildings, Ministry of Justice, University of Arts, Manchester Metropolitan University etc. East Village (former 2012 Olympic Village), Greater Manchester Police HQ and others. Broomfield Hospital and numerous NHS Trusts, KPMG, Sony, BMW, McLaren F1, Hewlett Packard, News International, CBS News, Thomson Reuters, Turner Broadcasting, National Grid and countless other head office buildings. Resorts World Birmingham, Gleneagles and numerous banking and financial institutions.

2.2 NET Macro ADC Division also encompassing MSA (Multi-Site Agreement) Portfolio Sites for outdoor coverage sites

- Full Macro & Micro-Cell Site Find, Acquisition, Design, Build & Up-Grades.

MSA portfolio services include:

- The Canal & River Trust (formally British Waterways).

NET CS have enjoyed an exclusivity agreement with the Canal & River Trust (formally British Waterways) since 2004.

- **The Church of England.**

NET CS history of working with the Church of England

NET CS have been working with the CoE since 2004, initially through QS4, who had secured the National Aerials Agreement with the Archbishops' Council, and directly with the CoE since 2008 when, with the Archbishops' Council approval, NET acquired QS4.

Since 2008 NET have completed cellular installations within 40 Dioceses, which over the term of each agreement will provide over £32.5 million income to the CoE.

Separately to the Rural project, NET promote the CoE locations to the Mobile Network Operators' [MNO's]; once a church is nominated by an MNO, NET will contact the church to establish, or affirm their interest and to initiate the process, namely the survey, design, and securing all the necessary secular and ecclesiastical approvals through to the implementation of the cellular radio site with the church deriving a long-term income.

NET CS have a large highly experienced dedicated team working on C of E sites with unrivalled knowledge of the Faculty Jurisdiction process including consultations required with secular and amenity bodies and the requirements on PCC's of the Charities Act, with all the prerequisite main and sub approvals, including pre-consultation and local authority planning approvals if required to ensure the ultimate milestone, namely Diocesan Chancellors approval (Faculty) is achieved in a timely manner.

From a design and implementation perspective the NET CS Structural Engineers and dedicated C of E Build Managers have unrivalled experience designing and installing apparatus within historic church buildings to ensure both the visual impact and the impact on the fabric of a church building is minimal and never detrimental.

Section-5

Faculty & LPA Process

General notes relating to the process and NET CS's role and responsibilities:

3rd party costs

NET CS will be responsible for all fair and reasonable 3rd party church costs, such as legal fees and the church architects' fees.

Historically/normally NET CS undertake to pay these costs direct, therefore once appointed by a PCC, or the details of the PCC's preferred supplier is forwarded to NET CS, NET CS take matters forward without further troubling or inconveniencing the PCC.

NET CS will pay all fair and reasonable costs regardless of whether or not the proposal is approved.

Basically NET CS do not place any burden of costs on any PCC, but NET CS must stress there is a limited budget to cover these costs (determined by all the years NET CS have been working with the CoE), hence the inclusion of the words 'fair and reasonable' which NET CS hope each PCC will understand the reasons.

Other costs which NET incur and are responsible for, include for example, Local Authority Planning (LPA) fees etc. which like the other 3rd party fees NET CS will pay direct.

With regards legal representation, because of their engagement by the CoE centrally to draw up the template Faculty and Code compliant Head & Sub Licences, NET CS strongly recommend James Robinson, a Partner at Birketts LLP; details as follows:

james-robinson@birketts.co.uk

Direct: 01473 406339 | Mobile: 07876451461

www.birketts.co.uk

For the same reasons, for the required Charities Act assessment, NET CS strongly recommend Allison Mullen MRICS, a RICS Registered Valuer at Telemaster Limited, details as follows:

allison.mullen@telemaster.co.uk

Telecoms Property Specialists

Telemaster Limited, 9 - 11 Chester Court, Alfreton Road, Derby, DE21 4AB

M: +44 (0)7855 755741 T: +44 (0)1332 372184

www.telemaster.co.uk

In addition to the DAC and other Faculty prerequisite process requirements, NET CS also consult with:

- Historic England
- The Joint Committee of the National Amenity Societies (this comprises The Twentieth Century Society, The Georgian Group, The Ancient Monument Society, SPAB, the Victorian Society and the Council for British Archaeology) – the relevant body will pick the application up and should respond
- National Parks
- Others based on the advice of the DAC.

NET take full responsibility for the whole end-to-end process, including consultation with the wider local community, who will be provided with details of what is proposed, why, the benefits and importantly NET CS will be responsible to answer any questions and address any concerns which may arise, but the PCC's help in distributing, and or making this information available, would be very much appreciated.

NET Coverage Solutions Limited (NET CS) is a supplier approved by Church of England Central Services Trading Limited

In some instances there may be one or two within a community who may have already made up their minds and whatever NET CS say may not change that, but based on NET CS's experience gained from all the years NET CS have been working with the Church of England, NET CS is confident these instances will be few and far between, but if they do occur the PCC can be assured NET CS will be wholly responsible to address these concerns, and NET CS will ensure the reputation and the good standing of each PCC and the Church in each community do not suffer as a result, indeed because of the important practical benefits to congregations, local communities, local businesses and visitors will derive from what the Church is facilitating, NET CS believe that if anything, the Church standing within each community will be enhanced.

General Process Notes:

The high-level process detailed within steps 1 through 21 sets out the general order of events and process which NET working with a PCC follow in order to secure all the necessary secular and ecclesiastical approvals associated with the implementation of a cellular radio site within a church building.

NET adhere to, and follow the ecclesiastical faculty process to the letter, from the initial PCC Resolution and DAC submission and recommendation, through to Faculty submission and Diocesan Chancellor approval.

As part of this process NET will consult with all relevant parties such as the church architect, Local Authority Planning, Historic England and other societies, and NET will pay their pre-determined reasonable costs.

Historic England and other society approvals	NET has worked with and is fully conversant with Historic England requirements. NET will initiate communications with Historic England (and other societies as necessary) in the normal way once drawings have been approved by each party.
Church Architect	NET takes full responsibility to liaise with the Church appointed Architect and obtain their approval.
LPA Pre-Consultation & Planning	NET takes full responsibility to liaise with the local authority over the proposal, carry out all necessary pre-consultation with the local community and obtain planning permission as required.
Listed Building Consent	Listed building consent will be obtained as part of the Ecclesiastical Exemption i.e. through Faculty approval.

DCMS have analysed the CoE church locations with known Not-Spot locations (communities with no mobile coverage) and have identified many hundreds of churches within 500-metres of a Not-Spot, and many thousands within 1,000-metres of a Not-Spot.

However rather than NET CS potentially waste a PCC's time by progressing a proposal at a church without the prior support of at least one MNO, as with the first 28 churches, NET CS will only contact a church when it is certain of the MNO's interest, which NET CS and the CoE are convinced will intensify as more and more NET CS coverage solutions are rolled out.

The site process therefore starts upon the receipt of an enquiry about a specific church or churches from an MNO, at this stage NET will contact the church or churches to establish if the PCC would be interested in progressing the proposal, NET will also provide each church with an Information Pack outlining what's involved and the equipment to be deployed.

However, it is not until a church is formally Nominated that the process begins in earnest, if at any time during this process the church has any issues which are likely to impact timescales or indeed the progression of the proposal in its entirety, they are kindly asked to let NET CS know as soon as possible.

With the PCC's approval NET will perform and will be responsible for all aspects of the proposal, and NET will support the church in every degree, including advice, liaison with the local community, the preparation of all associated documentation, and the submissions for DAC recommendation and Faculty approval

Step	Description	Target Timescale
1	Expression of interest in a church received by NET from an MNO or their agent.	N/A
2	NET to prepare an Information Pack for consideration by the PCC	Within 2 days of step 1
3	Church confirm tentative interest to NET. Please note that this is merely a tentative interest, not a commitment.	Within 14 days of step 2
4	NET or the MNO nominates the church as their primary option.	No set timescale
5	Upon receipt of the formal Nomination, NET Engineers will visit the church to carry out a full measured survey	Within 14 days of Step 4
6	NET issue detailed drawings together with the PCC Resolution (1) (pre-prepared by a CoE lawyer) for approval and signature at the next PCC meeting. Note: subject to how often a PCC meets, NET may ask the PCC to convene an emergency meeting to review the drawings and if approved, sign the pre-prepared Resolution	Within 14 days of Step 5
6.1	In order to confirm the coverage footprint, after the design survey a qualified and licenced Drone pilot will visit the church to obtain a 180° panoramic photos on each side of the tower at the proposed antenna height	No fixed timescales unless there are concerns about the resultant coverage footprint being insufficient
7	Church provide NET with requested information such as insurance policy number, name of the architect, details of the church legal advisers, statement of significance, the insured value of the church and contents, the age of the church and any stakeholders for consultation.	As soon as possible
8	PCC approve the drawings and return the PCC Resolution duly signed and dated.	Within 28 days of Step 6
9	In parallel to step 8, Church to seek valuation advice	As soon as possible
10	Upon drawing approval NET will issue legal drawings to each party and NET will prepare and send the licence in the agreed form to the PCC's lawyer in preparation for exchange upon Faculty approval.	Within 10 days of Step 8
11	Stakeholder, church user group and community consultation plan agreed between the PCC and NET.	ASAP
12	NET implement the pre-consultation plan followed by a planning application if necessary.	Planning is submitted within 4 wks. of starting the pre-con
13	In parallel to step 11, NET submit the drawings together with PCC Resolution (1) and any other requested documentation to the DAC for their recommendation.	ASAP
14	Following DAC recommendation NET will issue the Petition for Faculty, Public Notices and a further copy of the Final PCC Resolution (2) to the church.	As soon as received
15	Church to display Public Notices as soon as possible in and outside church	Within 7 days of Step 13

NET Coverage Solutions Limited (NET CS) is a supplier approved by Church of England Central Services Trading Limited

16	Church petitioners to sign Petition for Faculty.	ASAP
17	PCC to sign Final PCC Resolution (2).	ASAP
18	Signed Public Notice, Petition for Faculty and Final PCC Resolution returned to NET.	Within 28 days of Step 14
19	NET issue faculty documents to the Chancellor for consideration.	Within 2 days of Step 17
20	Faculty approval granted, NET liaise with each relevant party over Legal Completion.	Within 12 weeks of Step 18
21	The installation date, programme of works and methods will be agreed with the PCC at the pre-start meeting post legal completion	Typically, within 4-wks of Step 20

Notes relating to the implementation of the site:

Typically, depending on the site-specific scope of works, equipment availability and Openreach timescales, it is envisaged the site implementation works will be carried out and completed within a 2-week period.

NET will be the Principal Contractor throughout and before any works are started a comprehensive site-specific H&S file will be prepared for approval by each relevant party.

NET has built over 200 church radio sites and fully understands the absolute necessity to minimise the impact to the church during the implementation works. This means the timing and the full programme of works will be agreed with the church in advance of any works starting.

Equally however NET appreciates that unforeseen events, such as a funeral, may necessitate works to be rescheduled.

Upon the completion of the site works NET will prepare and issue an As-Built Handover document to the church.

Post build, only NET Engineers will carry out maintenance visits to the Coverage Church Sites.

MNO Engineers will carry out maintenance visits to the BTS Node Church Sites, but they will only need access to their cabinets not the church.

In such circumstances, NET will be responsible for coordinating any site access maintenance requests made by an MNO.

As part of this process the NET will diligently check the MNO contractors Risk & Method Statements to ensure they do not do anything which contravenes the site agreement or the Faculty conditions, including installing additional equipment not approved by the PCC and Faculty.

Typically, except in the case of an emergency, the church will be given at least 48 hours prior notice of a visit.

Section-6

Local Network & Church Specific Design Methodology

NET Coverage Solutions Limited (NET CS) is a supplier approved by Church of England Central Services Trading Limited

Local Network Design Principals

As detailed within the Overview & Summary section, the overall coverage solution will be deployed in groups of typically up to ten church sites or more, all typically within one postal district.

At each of these churches (Coverage Sites), four small antennas (one on each side of the church tower to achieve 360-degree coverage) and up to two small wall mounted internal cabinets and associated axillary equipment will be required, but one in each batch of churches (the BTS host site) will also have to accommodate the Mobile Network Operators (MNO's) BTS equipment cabinets, plus a cabinet of a similar size for NET CS to locate the equipment necessary to combine the different MNO frequencies etc. and route the service to and from the remote coverage site/s (one cabinet per MNO plus the NET CS cabinet - five cabinets in total) therefore the location and the suitability of the Host Site is critical to the overall coverage solution.

During the NET CS church specific surveys, one church will be identified which is best suited to accommodate the MNO's and NET's BTS cabinets. The criteria when choosing this church is:

- Identifying an external area of land within the church demise where the Regional Electricity Company (REC) can bring a power supply to, and where Openreach can install the fibre connectivity, without excavating through consecrated ground.
- Although NET CS can install planting to hide the cabinets, the location will ideally already be hidden from any adjacent neighbours i.e. an area where there is existing established screening.
- The area must be easily accessible without impacting the church.
- Although the cabinets do not have to be located in the same area, i.e. in theory one cabinet could be positioned in each corner of the field with NET CS cabinet in the middle, this is obviously not practical and is unlikely to fulfil the criteria set out above, therefore ideally the area chosen must be large enough to accommodate all five cabinets which will typically be anchored to 150mm thick concrete base.

Site Specific Design

Following meetings and consultation with the DAC, the methodology for each NET CS church design is based on proposals which offer i) the least impact on the fabric of the church, ii) the least visual impact, however these two prime objectives must also take into account iii) the antennas must be located in such a position to achieve adequate coverage to the local community.

In every instance a detailed survey of each church is carried out and a bespoke design proposal prepared which best achieves the criteria.

Every church is different, however in most instances because the antennas are so small, NET CS are likely to propose to position the antennas on the face of the tower, such as within the castellation sections of the parapet, secured simply, if possible, with Stainless Straps i.e. no bolts, which along with the antennas will be painted to match the existing stonework.

With regards the wall mounted RRU's and associated boxes, for the same reason i.e. to mitigate the impact on the fabric of the building, instead of mounting each unit to the wall independently, NET CS will instead propose to fit a Unistrut frame to the wall and then fix the internal units to that frame i.e. four wall anchors instead four per unit.

Between these internal cabinets and each antenna, NET CS will need to install up to two coaxial cables measuring approximately 1.27cm in diameter, or ½ inch in old money. The route of these

NET Coverage Solutions Limited (NET CS) is a supplier approved by Church of England Central Services Trading Limited

cables will be church specific and will be determined using the principal design criteria i.e. the least impact on the fabric of the church building.

To minimise the routing of the coaxial cables, NET CS will identify a location for the internal cabinets within the church tower which as close as possible to the antennas, but importantly the location chosen will be one which will not get in the way of the church's day to day activities.

Note: The Unistrut frame can be sized and configured to suit any location.

At, or near the internal cabinet position NET CS will need to utilise a three-point power supply socket, if an existing socket is not available NET CS will include the installation of a new socket within the drawings.

NET CS will pay quarterly in advance for the power used based on the manufactures worst case assumptions.

From the internal cabinets NET CS will need to route a fibre tube (again measuring approximately 1.27cm in diameter, within which the fibre will be ultimately blown/installed) either internally through the church tower, or externally if appropriate to do so, such if there is an existing lightning protection cable or similar cable, or where a downpipe is already installed, in which case NET CS may simply propose to follow the same route. If this tube is routed internally, at some point it will have to exit the tower which will probably necessitate core drilling to create an opening large enough to route the tube, therefore if possible NET CS will always try to avoid this option, but in some instances, there may not be any other route options.

Once at ground level, NET CS will identify a duct route from the church tower to the church boundary which will be where Openreach will make their connection.

The fibre tube duct route will be determined to avoid (whenever possible) consecrated ground therefore the route is likely to follow an existing footpath and access way.

Because at the survey and design stage the NET CS Engineers will not know which direction Openreach will be coming from, for DAC and Faculty approval purposes, NET CS may show multiple duct routes on the drawing, however only one will be used, and to ensure the reinstatement is of a high standard, all the works within the church demise will be carried out by NET CS.

Provision of Wi-Fi

As part of the NET CS proposal, if requested by the PCC, a Wi-Fi antenna (similar size to the mobile coverage antennas) located at a suitable position at the base of the tower to provide Wi-Fi coverage to the Nave will be included within the proposal.

This antenna will be connected via a Cat-5 or 6 Cat-6 cable to the NET CS wall mounted cabinets, and ultimately to the internet.

The Wi-Fi will operate completely independently to the Mobile system and will be installed at no cost to the church, however if* the fibre/broadband supplier charges extra for this service, the additional monthly charge will be deducted from the quarterly payments made by NET CS to the church.

*Note: In addition to initial fibre installation costs (the cost of installing fibre connectivity to the village and ultimately to the church), the fibre/broadband supplier is likely to charge NET CS between £1,000 and £1,500 per month for the service, therefore it is unlikely there would be an

extra charge for providing a dedicated internet service for the churches use, but this is unknown until NET CS place the actual order.

- In addition to the Wi-Fi being potentially used by church user groups, the Wi-Fi will enable the church to process donation card payments, including contactless.

If during the survey the church tower is deemed unsuitable, typically because the tower height is too low to provide the required coverage to the community, NET CS may suggest:

1. If it is the nearby trees within the church demise which are likely to block the coverage, NET CS may include a proposal to reduce the crown/s of these trees.
- Tree pruning may be necessary to maintain a tree in a safe condition, to remove dead branches, to promote growth, to regulate size and shape or to improve the quality of flowers, fruit or timber. However NET CS know improper pruning can lead to trees becoming unsightly, diseased and/or potentially dangerous, therefore in such circumstances NET CS will only use qualified tree surgeons.
2. A Flag Pole type Omni antenna similar to the example photos included later within this section.
3. A standalone pole to support the antennas, however unlike a normal MNO greenfield tower which has to be large enough to accommodate the wind loads of between six and sometime more than twelve antennas per MNO, because the NET CS antennas are so small (minimal wind load) it means the support structure need only be a slim light-weight pole measuring between 200mm and 300mm in diameter.
- In such circumstances, the NET CS engineers will follow the same criteria set out for the BTS equipment location i.e. a location with trees which will hide the pole as much as possible from adjacent neighbours, and of course it must be a location and a design which will ultimately be approved by the Local Planning Authority.

In-fill 'Black-Spot' coverage

The NET CS primary objective to achieve indoor penetration coverage i.e. not just outdoor coverage, across the whole local community from the church, hence why the antennas are typically proposed to be positioned atop of a church tower.

For the reasons set out within the H&S section i.e. lower power output, subject to the local topography and tree heights etc. the NET CS coverage solution will provide a coverage footprint of 1.2KM (600-metres in each direction from the church).

This is usually more than adequate to provide coverage throughout a rural local community, however if necessary, but subject to there being a willing landlord and subject to securing all the necessary permissions, NET CS can implement additional coverage sites/solutions elsewhere within the community, such as Small-Cells for example, and connect these sites to the main coverage system at the church.

Panel Antenna Details:

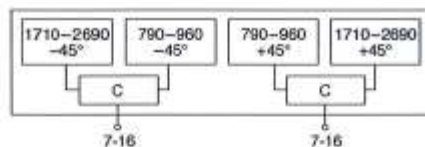
2-Port Antenna
Frequency Range
Dual Polarization
HPBW
Fixed Electr. DT
Integrated Combiner

R1	Y1
790-960	1710-2690
X	X
65°	65°
0°	0°
C	

KATHREIN

2-Port Antenna 790-960/1710-2690 C 65°/65° 8/9dBi

Type No.	80010753							
		R1			Y1			
		790-960			1710-2690			
Frequency range	MHz	790 - 862	824 - 894	880 - 960	1710 - 1990	1920 - 2200	2200 - 2490	2490 - 2690
Polarization	°	+45, -45	+45, -45	+45, -45	+45, -45	+45, -45	+45, -45	+45, -45
Average gain (dBi)	dBi	2 x 7.8	2 x 8.0	2 x 8.5	2 x 7.8	2 x 8.9	2 x 8.7	2 x 8.2
Horizontal Pattern:								
Half-power beam width	°	67			65	55	60	62
Front-to-back ratio	dB	Copolar: > 25	Copolar: > 25	Copolar: > 25	Copolar: > 25	Copolar: > 25	Copolar: > 25	Copolar: > 25
Cross polar ratio	dB	Typically: 15	Typically: 18	Typically: 20	Typically: 25	Typically: 25	Typically: 25	Typically: 25
Main direction	0°	Typically: 15	Typically: 18	Typically: 20	Typically: 25	Typically: 25	Typically: 25	Typically: 25
Sector	±60°	> 8	> 8	> 8	> 10	> 10	> 10	> 10
Vertical Pattern:								
Half-power beam width	°	65			75	60	60	65
Impedance	Ω	50						
VSWR		< 1.5						
Isolation: Intrasystem	dB	> 30			> 30		> 27	> 25
Intermodulation IM3	dBc	< -150 dBc (2 x 43 dBm carrier)						
Max. effective power per port	W	200 (at 50 °C ambient temperature)				100 (at 50 °C ambient temperature)		
Max. effective power for the antenna	W	300 (at 50 °C ambient temperature)						



936.4400/e Subject to alteration.

Correlation Table

Frequency range	Array	Connector
790- 960 MHz	R1	1-2
1710-2690 MHz	Y1	1-2

Mechanical specifications				
Input		2 x 7-16 female		
Connector position		Bottom		
Wind load (at Rated Wind Speed: 150 km/h)		N lbf	Frontal: 100 22	Maximal: 110 25
Max. wind velocity		km/h mph	200 124	
Height / width / depth		mm inches	334 / 260 / 136 13.1 / 10.2 / 5.4	
Category of mounting hardware		L (Light)		
Weight		kg lb	2.8 (tension bands incl.) 6.2 (tension bands incl.)	
Packing size		mm inches	495 x 272 x 157 19.5 x 10.7 x 6.2	
Scope of Supply		Panel and 1 unit of tension bands for 45–125 mm 1.8–4.9 inches diameter		

All specifications are subject to change without notice.
The latest specifications are available at www.kathreinusa.com

80010753 Page 1 of 2

Kathrein USA Greenway Plaza II, 2400 Lakeside Blvd., Suite 650, Richardson TX 75082
Phone: 214.238.8800 Fax: 214.238.8801 Email: info@kathrein.com

NET Coverage Solutions Limited (NET CS) is a supplier approved by Church of England Central Services Trading Limited

Example Photos:



Example Flag Pole Antennas Installed by NET CS



NOTE: These antennas are significantly larger than the Rural antennas therefore only included within the pack to demonstrate how even large antennas, once painted, are not noticeable



St Martin within Ludgate, London
(8 antennas are mounted around railings)



St Michael, Heavitree
(The antennas are mounted to the face of the parapet)

NET Coverage Solutions Limited (NET CS) is a supplier approved by Church of England Central Services Trading Limited

Section-7

Health & Safety

NET Coverage Solutions Limited (NET CS) is a supplier approved by Church of England Central Services Trading Limited

Health and Safety is obviously a concern to us all, however based upon all recognised scientific research carried out over tens of years and based on published guidelines, NET CS can assure the PCC these sites will not pose any risk.

As demonstrated within the Ofcom audit table below, a normal Mobile Network Operator [MNO] radio site typically operates significantly below worldwide & European recommended levels.

Please refer to the example Ofcom Audit Report included separately with this Information Pack, more information and reports can be found on the Ofcom website

Other Ofcom Audit results include:

Name of site audited	Summary of result
Ratcliffe College	The highest value Total Band Exposure Quotient was 1.23E-05. This value is approximately 1/811401 of the ICNIRP maximum guideline reference level for public exposure.
St Marks Primary School	The highest value Total Band Exposure Quotient was 6.87658E-06. This value is approximately 1/145421 of the ICNIRP maximum guideline reference level for public exposure.
Trafalgar Junior School	The highest value Total Band Exposure Quotient was 7.16398E-05. This value is approximately 1/139591 of the ICNIRP maximum guideline reference level for public exposure.

In terms of output power, these traditional MNO sites can be 700w and up to a 1000w output.

In contrast the NET CS Rural Coverage sites and the BTS Host sites will only be 40w output i.e. circa 95% below a normal MNO radio site.

Section-8

Typical Questions & Answers

NET Coverage Solutions Limited (NET CS) is a supplier approved by Church of England Central Services Trading Limited

Question/concern raised	Response
Will the church 3 rd party costs be paid	In short YES, please refer to the General Notes within the Faculty Process section.
Would the optic fibre delivering the mobile phone connection also deliver a broadband service to the village	NET CS cannot make any guarantees, but if NET CS is paying Openreach, or whichever local broadband supplier, to install a high-capacity fibre broadband to the church, one would think that company would utilise that connectivity to also offer their services to the whole community (it makes good business sense to do so).
I would earnestly ask you to pursue the option of delivering a broadband service via the fibre optic cable that will be laid for the mobile telephone service. Such a service would bring immense benefits to Luccombe as well as supplementing the church coffers.	
The NET CS coverage solution only works using fibre connectivity (transmission by dish will not work) NET CS is absolutely committed to proceeding with the implementation of these sites, therefore subject to PCC, DAC, Faculty & LPA approval, fibre connectively from the village to the Openreach main network will be installed	
Are you in a position to confirm that the delivery of broadband via the fibre optic cable to the church is at least technically feasible and to give me some idea of possible obstacles?	NET CS seek fibre connectivity quotes early in the process to ensure there will not be any issues extending the Openreach fibre network to each community and each church identified, if necessary NET CS will pay Openreach to carryout surveys of each location and route. The cost is typically high but NET CS is able mitigate this for the reasons set out within the penultimate bullet point, on the 1 st page of section 7.
It is not clear what version of mobile telephony the proposed mast will support. The PCC want to be sure that, given the length of the contract, that mast will offer the latest available version will to users during the tenure of the contract. Could you tell me whether the mast will be able to deliver a 4G service immediately and whether it will be future proofed to allow it to provide a 5G service when this becomes available – and 6G, 7G etc if they are ever invented? Will the mast be upgraded during the contract to adopt the latest technological advances?	The system is not technology specific i.e. NET CS could run 2G, 3G, 4G and 5G through the system. Initially NET CS would expect to be providing 3G and 4G coverage through the system, with an upgrade to 5G at a later date, but subject to the timing of the installation and what the MNOs install at the BTS Host Church Site*, 5G may be provided immediately. *the equipment cabinets shown at the BTS Host Church will accommodate all the technologies. With regards to the next generation of technologies, we would work with the MNO's to make sure our system is fit for purpose, however at this point there are no specifications for 6G upwards
I think the meeting was reassured by the drawings and the assurances you gave us that the receiver/transmitter that will be attached to the top of the church will be unobtrusive. Do you have, or do you propose having a model or mock up that could be shown and reassure any doubters as to the size and the discreetness of the device?	Please refer to the antenna specification within section 5. You will observe the antennas are only 334mm high (13.1"), 260mm wide (10.2") & 136mm deep (5.4") which is similar to a Wi-Fi antenna installed at other churches. As detailed within the drawings, the antennas will be painted to match the stonework, once painted (camouflaged) and in due consideration of the size and location (high level), unless you know to look for them, they will not be noticeable. We do not have a photo of this particular antenna installed at a church, but within section 5 we have included photos of much larger antennas (circa 1,000mm high x 300mm wide) installed externally at St Michael, Heavitree and St Martins Within Ludgate, London. We hadn't thought about installing a mock-up, but we are very happy to do so if it helps.

Another question that was raised and, I think, will be taken up by another PCC member talking to the church's insurers and asking them to speak to your insurers, is the extent of the insurance Net CS will provide. At the meeting the issue was raised as who would bear liability if there was an accident that caused damage to people or property as a result of the installation of the mobile mast and cabling accoutrements.

Ultimately, NET CS would be liable for any damage caused to people or property as result of our installation. As part of the process, NET CS will contact the church insurers to furnish them with the details of the installation and to seek their confirmation the installation will not affect the Church's existing Insurance Policy. If the church's insurance premiums were to increase as a result of the NET CS installation, NET CS will pay the extra, however to provide you with a level of assurance, I can confirm that in the all year's NET CS have been installing much larger radio sites within church towers, the insurers have never considered them to be a risk and there has not been any impact on the church's existing insurance.

I also take this opportunity to confirm NET CS hold insurance as follows:

Type of insurance	Insurer	Limit of Indemnity
Employers' Liability	Hiscox	£10,000,000
Public / Products Liability	Hiscox / CAN (PEN underwriting)	£30,000,000
Professional Indemnity	Hiscox	£5,000,000

The location of the MNO BTS equipment cabinets and size of the concrete base proposed at the BTS Host Church Site

NET CS Engineers diligently survey all the churches within each local network, only St Peter & St Paul, Exton appeared to fulfil the criteria (please refer to the 1st page of section 5).

At this church we identified with the PCC representative an area of unconsecrated church ground (grassed area) not currently used which i) is not visible by any neighbours, ii) has existing bushes and trees behind to hide the cabinets (we will install a close-boarded fence & new planting along the other edge fronting the church). And iii) it is adjacent to an existing power supply pole (which will also be utilised by Openreach for the Fibre connectivity) therefore there will not be any unnecessary trenching.

The size of the concrete base is simply sized to accommodate all the cabinets in one location; please also note, the base has been stepped because of the gradient.

It is felt DAC and Faculty approval is unlikely

NET CS take full responsibility for securing all the prerequisite approvals (to date NET CS have completed over 200 installations but of a much larger size within churches).

Before NET CS start the survey programme we will meet with the DAC to discuss the programme and the design options, our subsequent church specific bespoke designs will be based on their recommendations, and our interpretation of same.

Please note we will also consult with:

i) Historic England, ii) Joint Committee of the National Amenity Societies (this comprises The Twentieth Century Society, The Georgian Group, The Ancient Monument Society, SPAB, the Victorian Society and the Council for British Archaeology), iii) National Parks where appropriate and iv) the Local Planning Authority.

Health & Safety

Health and Safety is obviously a concern to us all, however based upon all recognised scientific analysis carried out over tens of years and published guidelines, NET CS can assure the PCC these sites will not pose any risk. Please refer to the H&S section for detailed information

If it is felt Local Authority Planning (LPA) consent is unlikely

NET CS will contact and meet with the LPA early in the process to discuss the individual and overall proposals. Please be assured these are not planning applications, we are simply seeking their guidance and comments, which so far have always been very positive.

Obviously planning consent cannot be certain until granted but NET CS and its professional planning advisers believe the LPA will consider our applications favorably for the following reasons:

- The NET CS installation/s will provide a critical service to each local community (including digital metering)
- Over and above the critical service and benefits of the connectivity and mobile coverage each church will be facilitating, the one-off sum and the long-term recurring revenue NET pay each church will help each church to fulfil its wider community mission, improving the sustainability of both the rural community and of its parish church.
- The NET CS proposal utilises an existing structure, and the visual impact will be minimal because the antennas are small and will be painted to match the existing stone.
- The only alternative option of providing the same level of coverage would be the installation of a heavy-duty greenfield tower which will have a significantly greater visual and environmental impact.

Will NET CS's proposal impact the good standing of the Church and the PCC within the community

Importantly, the NET CS proposal achieves the Church of England and the Governments aspirations and ambitions set out within the Joint Accord.

Because of the benefits each community will derive as result of what the church is facilitating, the CoE and NET CS firmly believe the churches relationship with the wider community will be enhanced, but like with many new proposals, NET CS accept there maybe one or two who object, however for the reasons set out within this IP and based on NET CS's vast experience gained from working with the CoE since 2004, we believe these instances will be rare, but if they do occur NET CS, not the PCC, will be responsible for answering and I believe mitigating any concerns, including face to face meetings if necessary.

What guarantee do the PCC have that any of the Mobile Network Operators (MNO) will connect to the NET CS system

These first church sites were identified by Telefonica O2 therefore the PCC's can be assured of at least one MNO using the system.

More recently Vodafone have expressed interest, but at this stage we have not contacted either EE or 3K, simply because we do not want to over complicate the process for what will be the first CoE & NET CS "Showcase" network.

Note: NET CS is an approved and respected supplier to all the MNO's

NET CS have spent hundreds of hours over the last 2 or 3 years developing this solution which included consulting with the MNOs and equipment suppliers. But it is only recently our System Design became reality when new equipment became available which works using shared Lit fibre – please refer to section 6 for details.

I must highlight that because these 8 sites will be the first such sites deployed, if the PCCs, or a significant number, choose not to proceed it is likely to have a very detrimental impact on the whole nationwide programme because the MNO's will lose confidence in our ability to deliver this type of coverage solution in partnership with the Church of England.

The extra PCC work associated with the process seems excessive

Please be assured NET CS effectively do everything, but there are elements which to comply with Faculty have to be carried out and or approved by the PCC, however essentially this only amounts to two Resolutions and the submission of the Statement of Significance, in all three instances, because of the number of church sites NET CS have completed over the years, NET CS do or can provide the necessary documentation pre-prepared by a Church of England lawyer for the PCC to approve, and if happy, sign. Throughout the process NET CS and its highly experienced CoE team is here and always available to support every PCC in every way.

What is PCC's initial commitment?

The initial PCC resolution is simply the PCC confirming they are content to investigate matters further and will take certain steps to do that – there is no commitment from them at this stage to enter into a Faculty.

Consultation with the Parish community

As part of the process and in particular consulting with the local communities, each PCC can be assured NET CS would undertake a thorough Pre-Consultation with the wider communities within each Parish, and as detailed within this Information Pack, any issues or concerns will be addressed by NET CS, not a PCC, although we will ensure the PCC are kept fully informed.

Because NET CS is predominately made up of Engineers, to ensure the Pre-Consultation is completed diligently and to the highest professional standards, NET CS engage Avison Young (formally GVA Grimley) one of the leading experts in this field with whom NET CS has worked with ever since NET CS started working with the CofE in 2004.

How does a PCC know the sum/s offered are fair

In late December 2017, the Government introduced new Code rights for the Mobile Network Operators (MNO's). In very basic terms, this new Telecoms Code provides the MNOs with statutory rights to install a radio site on any landlord's building or land and only be obliged to compensate that landlord for their loss with no financial gain; as a result pre-Code rental thresholds have been replaced with compensation and consideration offers of typically between £50 and £300 p/a, with possibly a one-off sum of between £1,000 and £3,000.

In contrast, on a pro-rata assessment in relation to the space used, the NET CS offer is significantly greater than the old Pre-Code rents (therefore many times greater than Post-Code values).

Please also note, the long-term recurring payments will be reviewed every 3-years based on RPI increases, and by adopting the initial resolution the PCC do undertake to seek independent valuation advice and if this results in the valuation being more than what is on offer then this can be discussed.

This is a critical part of the process because NET CS must be able to demonstrate to the Chancellor that in compliance with the Charities Act, independent valuation advice has been sought and it is verified that what has been offered is deemed fair market value.

Note: NET CS pay for this independent valuation.

Would NET CS ever assign a licence with a church

NET CS's relationship with each church is long-term and NET CS will not assign any licences to another party. This is reinforced by a separate Memorandum of Understanding (MoU) which both NET CS and the CofE are parties to. Under the terms of this MoU the assignment of any licences is not allowed; also, please note that regardless of the MoU, any licence with a church could not be assigned without both the PCC's and the Chancellors approval.