

SUPPLEMENTARY INFORMATION

1. Site Details

Site Name:	THE IRON BRIDGE	Site Address:	RICKMANSWORTH ROAD
National Grid Reference:	E 509661 N 190742		HILLINGDON
			LONDON
			HA6 1QP
Site Ref Number:	70230	Site Type:	SW (Macro)

2. Pre-Application Check List

Site Specific Pre-application consultation with local planning authority

Was there pre-application contact:	No
Date of pre-application contact:	N/A
Name of contact:	N/A
Summary of outcome/Main issues raised:	
The Local Planning Authority did not respond to pre-application enquiry.	

Community Consultation

Rating of Site under Traffic Light Model:	Amber
Outline of consultation carried out:	
Pre application letter and a copy of plans were sent to local ward councillors.	
Summary of outcome/main issues raised (include copies of relevant correspondence):	
No responses were received from the ward councillors.	

School/College

Location of site in relation to school/college (include name of school/college):
N/A
Outline of consultation carried out with school/college (include evidence of consultation):
N/A

Summary of outcome/main issues raised (include copies of main correspondence):

N/A

Civil Aviation Authority/Secretary of State for Defence/Aerodrome Operator consultation (only required for an application for prior approval)

Will the structure be within 3km of an aerodrome or airfield?		No
Has the Civil Aviation Authority/Secretary of State for Defence/Aerodrome Operator been notified?		No
Details of response:		
N/A		

Developer's Notice

Copy of Developer's Notice enclosed?	Yes
Date served:	14 th October 2025

3. Proposed Development

The proposed site:

The application site is located on Rickmansworth Road, within the London Borough of Hillingdon, approximately at National Grid Reference E: 509661, N: 190742. The surrounding area is suburban in character, consisting mainly of residential properties with a mix of detached and semi-detached dwellings set back from the main carriageway. Rickmansworth Road (A404) is a key route connecting Northwood and Rickmansworth, characterised by a consistent flow of local traffic and a well-established public realm that includes footways, street lighting, and other roadside infrastructure.

Equipment:

Description:

The removal of 1no. 17.64m monopole supporting 3no antennas and replacement with 1no. 20m-high monopole with wraparound cabinet, 9no. antennas, installation of 1no. cabinet, plus ancillary development thereto

Overall Height: 20m

Height of existing building (*where applicable*):

N/A

Materials (*as applicable*):

Tower/mast etc – type of material and external colour:

Galvanised

Equipment housing – type of material and external colour:

Steel/Metal Alloy – Fir Green RAL6009

Reasons for choice of design, making reference to pre-application responses:

Least intrusive design possible on building.

Technical Information

International Commission on Non-Ionizing Radiation Protection Declaration attached (see below)

Yes

International Commission on Non-Ionizing Radiation Protection public compliance is determined by mathematical calculation and implemented by careful location of antennas, access restrictions and/or barriers and signage as necessary. Members of the public cannot unknowingly enter areas close to the antennas where exposure may exceed the relevant guidelines.

When determining compliance the emissions from all mobile phone network operators on or near to the site are taken into account.

In order to minimise interference within its own network and with other radio networks, EE Ltd.'s operates its network in such a way the radio frequency power outputs are kept to the lowest levels commensurate with effective service provision

As part of EE Ltd.'s network, the radio base station that is the subject of this application will be configured to operate in this way.

All operators of radio transmitters are under a legal obligation to operate those transmitters in accordance with the conditions of their licence. Operation of the transmitter in accordance with the conditions of the licence fulfils the legal obligations in respect of interference to other radio systems, other electrical equipment, instrumentation or air traffic systems. The conditions of the licence are mandated by Ofcom, an agency of national government, who are responsible for the regulation of the civilian radio spectrum. The remit of Ofcom also includes investigation and remedy of any reported significant interference.

The telecommunications infrastructure the subject of this application accords with all relevant legislation and as such will not cause significant and irremediable interference with other electrical equipment, air traffic services or instrumentation operated in the national interest.

4. Technical Justification

Reason(s) why site required e.g. coverage, upgrade, capacity:

The proposal has been sited and designed to maintain mobile phone coverage to the area and greater capacity for local residents, visitors, businesses and the Emergency Services alike.

GSM Coverage:

A mobile phone transmitter is designed to cover a specific area and links its coverage to the next site in the network, creating a patchwork of overlapping coverage 'cells' across the county. So, if a person is on the move, the network will transfer their calls from one site to the next. However, in certain areas there will be gaps between these cells, resulting in a loss of coverage. This can be for a variety of reasons, the most common being topography or buildings which block the path of the signal. Our network rollout programme is designed to identify and address these gaps within our coverage and ensure that people can use their phones whenever and wherever they are.

The distances between transmitter sites will depend on many factors, including the geography of the area, the number of buildings, the number of people living in the area and the growing demand for mobile services. As a result, the distance between sites can range from less than 1 kilometre in large urban areas to 8 kilometres in rural areas.

There is currently an adequate provision of EE service in this area provided by the existing site. Consequently, this needs to be upgraded in order to provide continuous coverage to the area.

As such, in order to maintain and provide significantly improved coverage to all customers, including the Emergency Services, this application is submitted in order to achieve this.

3G/4G/5G Rollout:

Data traffic is increasing and is forecast to continue to grow, as technology is developed to facilitate this. Services such as direct access to the Internet from a handset, downloading files from the office to a mobile laptop computer and videophones are now offered and expected by subscribers. These data services are commonly known as third generation or 3G services, fourth generation or 4G services and fifth generation or 5G services. All the mobile telecoms operators agreed with the Government to offer 90% geographic coverage by the end of 2017. This site forms part of that wider policy requirement, including fifth generation or 5G services.

These services are provided using a combination of UMTS and new generation GSM equipment. UMTS will provide very fast data rates. However, for the network to work effectively, we also need to provide an "umbrella" GSM network which is also capable of providing high speed data albeit at slower rates than UMTS. In addition, EE are responsible for the rollout of the new Emergency Services Network and the obligation is to provide 5G services for data transfer, video footage and communications throughout the country. Such services can only be provided with an effective rollout of upgraded and new telecoms base stations and this site forms an integral aspect within the wider network provision.

Social Benefits:

Modern mobile communications aid social progress, which recognises the needs of everyone. These improvements manifest themselves in a number of ways:

- People are now just as likely to access the internet using a mobile connection as they are to have just a landline or to access the web through a fixed connection.
- Connecting to the Internet via a mobile device allows people to access a wide range of central and local government services; to do research for a school projects or apply to university; to manage their bank account and pay bills; to apply for a job; or to buy groceries as well as a multitude of additional functions.
- Most Local Authorities' services are now available online. Most councils have recognised the growth of smartphone use and introduced mobile phone applications to provide instant access to services, or to allow residents to report litter, dumped rubbish, pot holes and road repairs, or anti-social behaviour.
- Mobile devices enable flexible forms of working that provide opportunities to working parents or carers and help them achieve a better work life balance with both family and community benefits. By providing means of communication that improve convenience and enhance personal safety and security. This is especially important to vulnerable groups who may otherwise feel unable to participate in certain activities.

Emergency Services Network Requirement (ESN):

In 2015, EE won the contract from UK Government to deliver a mobile network specifically for all blue-light emergency services across the country to provide a seamless 5G mobile service. The communications system will be critical in improving response times and improving communications between all of the blue-light services and providing critical infrastructure across the length and width of the United Kingdom. EE have committed to add over 500 new 5G sites to accommodate this commitment in that will eventually replace the existing Airwave TETRA radio system.

This EE proposal will form part of the new 5G emergency services network and should be considered critical infrastructure within the UK to support the local community in perpetuity.

Shared Access – The Benefits of Mobile Technology

Mobile phones and other similar communication devices are ubiquitous both for business and personal use. Mobile connectivity is now about fast, secure access to the internet anywhere. People and businesses are increasingly choosing to access the internet using a mobile device, and the numbers doing so are growing, as ownership of internet-enabled devices rises.

Smartphones are integral to people's lives as mobile devices supporting a growing range of functions from communication to navigation, to use as principle sources of news media, cameras, diaries and numerous other functions.

Overall, 94% of adults personally own/use a mobile phone with 52.4 million 4G mobile

subscriptions. The proportion of adults in the UK with a smartphone has now reached 76% (as of 2017), with 18% of adults living in a mobile phone only home. Increasing coverage and take-up of higher speed 4G services is driving data use. The average volume of data consumed per subscriber per month is now 1.9GB.



Economic Benefits

Modern communications in all of their different and emerging forms, including mobile communications, help maintain and stable levels of economic growth and employment. Hence, the UK Government's continued commitment to the growth and development of modern electronic communications. These benefits include:

- Improve the ability of local businesses to operate and compete effectively through access to modern communications thereby helping to maintain and increase local employment opportunities.
- The contribution to the national economy is also significant where all businesses, from large to small, benefit from modern communications that helps them maintain and attract new business and service contracts in a responsive and competitive manner.
- Improve coverage over transport and infrastructure networks which improves the ability to work on the move and improve economic efficiency



Environmental Benefits

Modern communications, including mobile communications, provide effective protection of the environment by helping reduce the need to travel by enabling modern working practices such as greater home working. Such practices alleviate the pressure for new commercial development such as offices, through more efficient and flexible use of existing accommodation. For the same reasons, modern communications, including mobile communications, help ensure the prudent use of natural resources.



Social Benefits

Modern communications, including mobile communications, aid social progress, which recognises the needs of everyone. These improvements manifest themselves in a number of ways as illustrated by the following examples:

- People are *now* more likely to access the internet using a mobile connection than they are to have just a landline or to access the web through a fixed connection.
- Connecting to the Internet via a mobile device allows people to access a wide range of central and local government services; to do research for a school projects or apply to university; to manage their bank account and pay bills; to apply for a job; or to buy groceries.
- Most local authorities' services are *now* available online, and many councils have recognised the growth of smartphone use and introduced mobile phone applications to provide instant access to services, or to allow residents to report litter, dumped rubbish, pot holes and road repairs, or anti-social behaviour.
- Mobile devices enable flexible forms of working that provide opportunities to working parents or carers and help them achieve a better work life balance with both family and community benefits. By providing means of communication that improve convenience and enhance personal safety and security. This is especially important to vulnerable groups who may otherwise feel unable to participate in certain activities.

5. Site Selection Process

In accordance with the licence obligations and advice in the National Planning Policy Framework and the Code of Best Practice in England the applicant's network rollout team investigated the following siting and design options using this sequential approach to site selection:

- Upgrading their own existing base stations;
- Using existing telecommunications structures belonging to another communications operator. i.e. Mast and/ or site sharing, co-location;
- Installations on existing high buildings or structures including National Grid pylons;
- Using small scale equipment; and finally
- Erecting a new ground-based mast site

N/A as upgrading of existing radio base station in line with NPPF.

If no alternative site options have been investigated, please explain why:

Upgrade to existing established radio base station.

Environmental Information:

The proposed equipment is situated out with environmentally sensitive areas.

Land use planning designations:

N/A

Additional relevant information (include planning policy and material considerations):

Site Surroundings and Planning Justification

Telent Technology Services Limited's priority is to be in conjunction with the National Planning Policy Framework and utilise existing masts with upgrades where it is technically possible. In this instance this has been feasible, to upgrade an existing established radio base station location.

Due to the nature of the search, there was a direct need to improve mobile phone coverage, there were no technically feasible or less harmful alternative options within the vicinity then the proposed due to being in line with the National Planning Policy Framework and the minimal visual impact associated with the proposed upgrade at this location.

The chosen site will allow to maintain and provide greater 5G coverage and mobile phone capacity to the area, and in the future 5G technology. The proposed development is believed

to be in conjunction with National Planning Policy Framework.

Summary

Telent Technology Services Limited can confirm it has undertaken extensive Best Practice in its planning process and hopes that the additional 5G mobile coverage resulting in this development will be of an all-round benefit to the area and community as a whole.

The upgraded site is an existing established site that has hosted the operators equipment for a long period over years. Therefore it is considered to be the most appropriate in the vicinity in terms of providing 5G coverage to the surrounding area, whilst minimising any perceived negative impact on the surroundings and local character of the area. In line with the National Planning Policy Framework, locating on an existing building is being proposed.

The site selected is deemed the best possible location from a siting and appearance perspective due to stealth pole-mount solution design proposed. As aforementioned, the proposed development is in conjunction with the National Planning Policy Framework and Local Plan.

Any perceived intrusion of the proposed development is considered to be markedly outweighed by the operational need and the requirement to provide advanced high quality 4G/5G communications coverage to this particular area.

The proposal is considered to contribute to social, economic and environmental sustainability goals according with the overarching aims of national level planning policy and therefore should be permitted without delay.

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Signed 

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