



**TELECOMMUNICATION
INSTALLATION**

FOR

**HUTCHISON 3G UK
Limited**

at:

Existing Telecommunications Site

**Hambledon Road,
Waterlooville,
Hampshire, PO7 6UP**

**SUPPLEMENTARY
INFORMATION FORM**

and

SUPPORTING STATEMENT

September 2016

Prepared by:

Daly International

**Hutchison 3G UK Limited ref:
HVT023 – Hambledon Road
SW**



SUPPLEMENTARY INFORMATION

1. Site Details

Site Name:	Hambledon Road SW	Site Address:	Hambledon Road, Waterloooville, Hampshire, PO7 6UP
NGR:	E 467611, N 110183		
Site Ref Number:	HVT023	Site Type: ¹	Macro

2. Pre Application Check List

Site Selection

Was an LPA mast register used to check for suitable sites by the operator or the LPA?	Yes	No
If no explain why: The proposed works intend to upgrade an existing site. The use of existing sites as a framework for the expansion or development of existing networks is in accordance with local and national (NPPF) planning policies.		
Was the industry site database checked for suitable sites by the operator?	Yes	No
If no explain why: The proposed works intend to upgrade an existing site. The use of existing sites as a framework for the expansion or development of existing networks is in accordance with local and national (NPPF) planning policies. Appendix B of the Code of Best Practice (first published November 2002, revised July 2013) echoes the NPPF's emphasis on the re-development or sharing of existing telecoms sites as a means of reducing the number of such sites to the minimum consistent with the efficient operation of the network.		

Annual roll out consultation with LPA

Date of last annual rollout information/submission:	October 2015
Name of Contact:	Chief Planning Officer
Summary of outcome/Main issues raised:	It was agreed that the LPA and Hutchison 3G UK Limited would adhere to the 10 Commitments.

Pre-application consultation with LPA

Date of written offer of pre-application consultation:	N/A	
Was there pre-application contact:	Yes	No
Date of pre-application contact:	N/A	
Name of contact:	N/A	

¹ Macro or Micro



Summary of outcome/Main issues raised:

As the proposed development is considered a minor alteration to an existing site, it was deemed acceptable to proceed without conducting any pre-application consultations in this instance.

Ten Commitments Consultation

Rating of Site under Traffic Light Model:	Red	Amber	Green
Outline Consultation carried out:			
The proposal was rated as GREEN, in accordance with the guidelines set within the code of best practice for telecommunication operators. Due to this rating, and the fact that the development is considered to be a minor alteration to an existing site, no consultation was deemed necessary.			
Summary of outcome/Main issues raised:			
N/A			

School/College

Location of site in relation to school/college:	
The proposed development is not located near to any school or college.	
Outline of consultation carried out with school/college:	
As the proposed works are minor in nature and located away from any of the surrounding schools, it was deemed acceptable to proceed without conducting any pre-application consultation, prior to the submission of this application.	
Summary of outcome/Main issues raised:	
N/A	

Civil Aviation Authority/Secretary of State for Defence/Aerodrome Operator consultation

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

Developer's Notice

Copy of Developer's Notice enclosed?	Yes	No
Date served:	29/09/2016	



Proposed Development

The proposed site:	
Telecommunications site:	
Hambledon Road, Waterloooville, Hampshire, PO7 6UP	
NGR: E 467611, N 110183	
Type of Structure : Telecommunications Base Station	
Description:	
Replacement of existing 15m pole with 15m phase 4 pole, 1 no. additional cabinet and minor ancillary works.	
Overall Height:	15m
Height of existing building :	N/A
Equipment Housing:	
Individual dimensions: Komodo Cabinet	
Length	1230mm
Width	400mm
Height	1400mm
Materials : Steel	
Tower/mast etc – type of material and external colour:	Steel - Grey (RAL 7035)
Equipment housing – type of material and external colour:	Steel - Grey (RAL 7035)

Reasons for choice of design:
The site is a well-established telecommunications site, providing 3G network services to the customers of H3G Limited, in the local area. It is a shared installation between two operators, EE Limited and Hutchison 3G UK Limited. The existing site comprises of a 15m high pole and 3 no. equipment cabinets; plus ancillary apparatus. As part of the nationwide network integration and upgrade project rolled out by Hutchison 3G UK Limited, there is a specific requirement to upgrade the site at this location. The upgraded site would provide improved 3G services, while introduce new 4G (fast data) services for local customers and commuters. The proposed development involves the replacement of an existing 15m high pole with a 15m phase 4 high pole, installation of 1 no. equipment cabinet; plus ancillary apparatus. The proposed replacement pole and additional cabinet are required to support the provision of additional 4G technology, within the overall network. Since 4G antennas are thicker in scale, these cannot be accommodated within the existing pole. Therefore, a new pole is required to accommodate the proposed antennas. Moreover, the existing pole would not be able to bear the additional weight of proposed antennas,

due to which a new pole is required to permit the upgrade.

The proposed pole would only be marginally thicker than the existing pole and not to an extent, to be detrimental to the location and its surroundings. The proposed pole would be less than the combined width of existing pole and one-third of the thickness of existing pole.

The proposed pole would be coloured grey (RAL 7035). Due to the typical street scene paraphernalia, the monopole would be readily assimilated. The proposed equipment cabinet is of a minor scale and would be screened by low level vegetation.

The surrounding area is mixed in use with residential properties to the east of the site, however industrial and commercial properties dominate to the south and west. Hambledon Road is a busy commuter road that connects with Milton Road and Elettra Avenue at a large roundabout to the south.

Other minor ancillary and electrical works are proposed in order to accommodate the new technology, as detailed in the attached drawings. Due to the technical constraints of the technology involved, there is no further variation possible in terms of the size or design of the proposed apparatus. They are, however, of the smallest scale possible, capable of providing the required service upgrade.

3. Technical Information

ICNIRP Declaration attached	Yes	No
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, Hutchison 3G UK Limited operates its network in such a way, that the radio frequency power outputs are kept to the lowest levels to commensurate with effective service provision. The proposed telecommunications infrastructure, which is 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:

BOROUGH
JNCIL

8 + OCT 2018

EIVED



Purpose of proposed works

The existing 'Hutchison 3G UK Limited' telecommunications site is an established telecommunications site, presently providing 3G network services to the customers of Hutchison 3G UK Limited, in the local area. It is a shared installation between two operators, EE Limited and Hutchison 3G UK Limited.

As part of the nationwide network integration and upgrade project rolled out by Hutchison 3G UK Limited, there is a specific requirement to upgrade the site at this location. The upgraded site would provide improved 3G services, while introduce new 4G (fast data) service for local customers and commuters.

The proposed replacement pole and additional cabinet are required to support the provision of additional 4G technology, within the overall network. The proposed technology would consist of LTE 1800 frequency.

The proposed upgrade works provide a suitable juncture to improve the existing local telecommunications network and demonstrate conformity with national planning policies, which encourage the use of existing sites and sharing of telecommunications installations for upgrade.

The proposal also falls in line, with the guidance of keeping the overall footprint of base-stations to a minimum, to eventually make the development sustainable and reduce the environmental impact on surrounding land-uses.

5. Site Selection Process – alternative sites considered and not chosen

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

Since the proposed works are a minor alteration/addition to an existing base-station to upgrade it for newer technologies, no alternative site options have been investigated in this instance.

The use of existing sites as a framework for the expansion or development of new networks is in accordance with local and national (NPPF) planning policies.

Appendix B of the Code of Best Practice (first published November 2002, revised July 2013) echoes the NPPF's emphasis on the re-development or sharing of existing telecoms sites as a means of reducing the number of such sites to the minimum consistent with the efficient operation of the network.

Additional relevant information:

Please refer to Supporting Statement (below).



This statement forms part of an application on behalf of 'Hutchison 3G UK Limited'. To assist your determination this section provides a description of the process adopted in the design of the proposal and an assessment of its merits against relevant local and national (NPPF) planning policy.

Application for Prior Approval

As an electronic communications network operator, Hutchison 3G UK Limited has the benefit of permitted development rights under Part 16 of Schedule 2 to the Town and Country Planning (General Permitted Development) (England) Order 2015.

This is an application for a determination as to whether the prior approval of the Authority will be required for the siting and appearance of the development.

The Application Site

The proposed site is located on Hambledon Road on the western periphery of Waterlooville. Hambledon Road is a busy commuter road that runs in a north/south direction, connecting to the Denmead in the north. The surrounding land use is very much mixed with commercial, residential and industrial all present.

Site Design and Appearance

Design & Location

The site is located on a grass verge adjacent to Hambleton Road. Immediate vegetation to the east provides screening for the additional cabinet and lower section of the pole. The proposed phase 4 pole will be marginally thicker than the existing installation but the height will remain the same (15m).

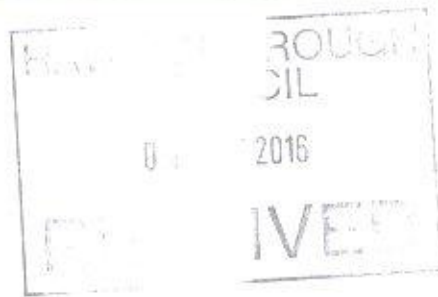
The presence of street signs, telegraph poles and lamppost allows the installation to blend in with the streetscene. The minimal change in appearance coupled with the appropriate setting will not result any additional harm to the surrounding area, or the outlook for residential properties located further to the east.

The proposed monopole will accommodate antenna that will be able to introduce 4G coverage to the area for two operators. The minor change in appearance is considered to be outweighed by the considerable benefits.

Possible Electrical Interference

We can advise on behalf of our clients that the proposed installations should not cause any undue electrical interference for nearby residents. Hutchison 3G UK Limited operates within radio frequency bands which are licensed and specific to them, and this is regulated in the UK by the Office of Communications (Ofcom).

Health and Mobile Phone Base Stations



The Mobile Phones and Health Report (2000), by the *Independent Expert Group on Mobile Phones* under the chairmanship of Professor Sir William Stewart (the *Stewart Report*) concluded that "the balance of evidence indicates that there is no general risk to the health of people living near to base stations on the basis that exposures are expected to be small fractions of the guidelines".

The Stewart Report recommended that, as a precautionary approach, the *International Commission on Non-Ionizing Radiation Protection* (ICNIRP) guidelines for public exposure be adopted in the UK. In response to the report, Government has stated that emissions from base stations should meet the ICNIRP guidelines and that if they do then local authorities need take no further action.

One of the recommendations of the Stewart Report was to establish a research programme to address uncertainties regarding mobile phone base stations and health. This programme was called the Mobile Telecommunications and Health Research (MTHR) Programme. The final report from this programme was published in February 2014. The report noted that the research conducted found no evidence of biological or adverse health effects from the radio waves produced by mobile phones or their base stations.

In June 2011 the World Health Organisation (WHO) noted that

"...A large number of studies have been performed over the last two decades to assess whether mobile phones pose a potential health risk. To date, no adverse health effects have been established as being caused by mobile phone use.."

WHO factsheet 193: Electromagnetic fields and public health: mobile telephones

In April 2012 the Health Protection Agency's independent *Advisory Group on Non-ionising Radiation* (AGNIR) published a report entitled "Health Effects from Radiofrequency Electromagnetic Fields". This report concluded that there is no convincing evidence that mobile phone technologies cause adverse effects on human health. In addition, AGNIR found that although a substantial amount of research has been conducted, there is no convincing evidence that RF field exposure below the internationally agreed guideline levels applied in the UK causes health effects in adults or children.

All Hutchison 3G UK Limited installations are designed, constructed and operated in compliance with the precautionary ICNIRP public exposure guidelines. An ICNIRP certificate is provided as part of this application.

Noise

There will be no noise issues related to this site.

Planning Policy Framework

Local Planning Policy:

Havant Council Core Strategy document covers telecommunications development within Policy CS19 – Effective Provision of Infrastructure. In essence the policy supports the growth of such technologies.



For more specific development control purposes, they rely on guidance contained within the NPPF.

National Planning Policy

The National Planning Policy Framework (NPPF) was published on 27th March 2012. The NPPF supports high quality communications infrastructure and recognises it as a strategic priority.

At paragraph 42 it states: *"Advanced, high quality communications infrastructure is essential for sustainable economic growth. The development of high speed broadband technology and other communications networks also plays a vital role in enhancing the provision of local community facilities and services."*

Paragraph 44 states *"local planning authorities should not impose a ban on new telecommunications development in certain areas, impose blanket Article 4 directions over a wide area or a wide range of telecommunications development or insist on minimum distances between new telecommunications development and existing development"*.

The NPPF goes on to state at paragraph 46 that: *"Local planning authorities must determine applications on planning grounds. They should not seek to prevent competition between different operators, question the need for the telecommunications system, or determine health safeguards if the proposal meets International Commission guidelines for public exposure."*

The proposal is supported by the guidance in paragraph 65 of the NPPF, which states that:

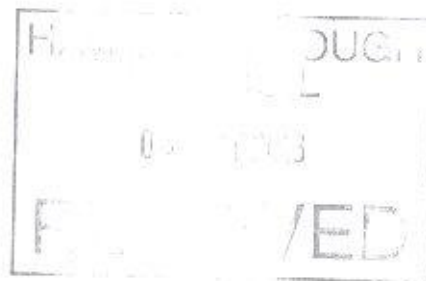
"Local Planning Authorities should not refuse planning permission for buildings or infrastructure which promote high levels of sustainability because of concerns about incompatibility with an existing townscape, if those concerns have been mitigated by good design (unless the concern relates to a designated heritage asset and the impact would cause material harm to the asset or its setting which is not outweighed by the proposal's economic, social and environmental benefits.)"

Evaluation in Light of Local and National Policies

The proposed works are the most minor possible whilst allowing for the upgrade of the existing telecommunications site, to improve existing coverage and introduce 4G coverage in the local area. The proposed development involves the replacement of existing 15m high pole with proposed 15m high pole, installation of 1 no. equipment cabinet; plus ancillary apparatus.

The national planning policies highlight the government's positive stance towards telecommunications development and mobile phone connectivity. The policies highlight the environmental and social benefits that telecommunications can provide, if employed correctly.

As mentioned earlier, the proposal site is the upgrade of an existing site, to ensure no further masts are erected in the local area. The discrete siting and colouring of apparatus ensures that the visual quality of development is not altered significantly, to be detrimental to the setting of surrounding woodlands.



As recommended by NPPF paragraphs 42, 43 & 46, mobile phone base stations play an important part of community amenities. The proposed works meet the guidelines of the International Commission on Non-ionising Radiation Protection (ICNIRP). An ICNIRP certificate has been attached with the application, in this regard.

Other sites have not been identified as it is an upgrade of an existing base station. It is therefore considered, that the proposed development fully adheres to the guidance contained within the local planning policies and NPPF.

Code of Best Practice on Mobile Network Development

The Code of Best Practice (first published November 2002, revised July 2013) is produced jointly by all Mobile Phone Operators and representatives of Central and Local Government. It provides clear and practical advice to ensure the delivery of significantly better and more effective communication and consultation between operators, local authorities and local residents.

Though the Code is a non-statutory document, as it was prepared jointly by representatives of central and local government and the mobile phone industry, it is considered to be a material consideration in this case.

General siting and design principles for all telecommunications installations are provided in Appendix B of the Code. The principles exist subject to the following variables:

"...site conditions, technical constraints, landscape features and coverage and capacity requirements".

Appendix B echoes the NPPF's emphasis on the re-development or sharing of existing telecoms sites as a means of reducing the number of such sites to the minimum consistent with the efficient operation of the network.

While Appendix B of the Code does not specifically address the re-development of existing greenfield sites, it will nonetheless be instructive to refer to the measures suggested to reduce the environmental and visual impacts of ground-based masts. With respect to the proposed scheme these include:

Placing a mast within an existing group of trees (this may also include planting new trees to help integrate it into the landscape). This option is obviously more successfully implemented in or near wooded areas. However, care should be taken to avoid the unnecessary loss of existing trees. In addition, it should be borne in mind that the top of a mast placed in trees will need to be above the tree-line in order for the equipment to work and for the allowance of future tree growth

Using simple and unfussy designs. Masts which have complex designs are more likely to dominate and be in discord with the landscape and have adverse visual impacts;

Appropriate colouring. Masts seen against the sky, for example, are best left in their galvanised state or painted pale grey. Against a wooded backdrop a matt green or brown colour scheme would be more applicable.

In summary, the planning application submitted herewith fully embraces both the voluntary and compulsory good practice principles contained within the Code.

Conclusions

National planning policy aims to facilitate the growth of new and existing telecommunications systems and operators have obligations to meet customer demands for improved quality of service. This application details the technical need for the replacement and installation of apparatus, to provide improved service and new 4G coverage to the customers of Hutchison 3G UK Limited.

The proposed installation represents both the optimum planning/environmental and technical solution in this instance. As such, the development as proposed is in accordance with the National Planning Policy Framework as defined above.

For the reasons set out above in the report, we consider that this application should be approved.



RELATED DOCUMENTS

The following documents may be of assistance in determining this application:

- ❑ NPPF (March 2012)
- ❑ Code of Best Practice on Mobile Phone Network Development – www.odpm.gov.uk

- ☐ Office of Communications (Ofcom) – www.ofcom.org.uk
- ☐ Core Strategy Development Plan 2008
- ☐ Saved Local Plan Policies (produced in 2002)

Contact Details

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Signed:	Aruna Venkatraman	Date:	19/09/2016
Position:	Senior Planning Consultant	Company:	Daly International (UK) Ltd.
		(on behalf of the above operator)	

