

SUPPLEMENTARY INFORMATION

1. Site Details

Site Name:	Emsworth Station	Site Address:	Station Approach, Emsworth PO10 7PH
NGR:	474830, 106308		
Site Ref Number:	CTIL 122094 VF_3012	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:		
Was the industry site database checked for suitable sites by the operator:	Yes	No
If no explain why:		

Annual roll out consultation with LPA

Date of last annual rollout information/submission:	7/10/2013
Name of Contact:	Daphney.haywood@havant.gov.uk David.Eaves@havant.gov.uk; Richard.Nash@havant.gov.uk
Summary of outcome/Main issues raised:	No issues have been raised in respect of this particular installation

Pre-application consultation with LPA

Date of written offer of pre-application consultation:	13/3/2014
Was there pre-application contact:	no
Date of pre-application contact:	
Name of contact:	

HAVANT BOROUGH
COUNCIL

31 MAR 2014

RECEIVED

¹ Macro or Micro

Summary of outcome/Main issues raised:

A letter summarising the joint network program between Vodafone Ltd and Telefonica O2 Ltd and how this affected the above site, together with details for the proposed upgrade was sent to the Local Planning Authority (LPA) for review and comment. The correspondence was offered an opportunity for the LPA to suggest additional local stakeholders or groups that may be interested to hear of the proposal. The letter also invited the LPA to meet and discuss the proposal.

No response has been received at the time of the application.

Ten Commitments Consultation

Rating of Site under Traffic Light Model:	Green		
Outline Consultation carried out: Letter sent to Ward Councils for Emsworth Ward – Brendan Gibb-Gray, Colin Mackey and Richard Galloway.			
Summary of outcome/Main issues raised: No responses received at time of application.			

School/College

Location of site in relation to school/college None identified within 200m
Outline of consultation carried out with school/college: N/a
Summary of outcome/Main issues raised: 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?	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:	25/3/2014	

3. Proposed Development

The proposed site: The application site is an establish telecommunications base station adjacent to Emsworth Station buildings. To the north of the installation are the station buildings and railway line and A27 beyond. To the west and south are commercial buildings; to the east is Station Approach. The proposal at the above site location is the replacement of the existing 17.3m (to top of antennas) CU Phosco Phase 1 monopole supporting 6 Vodafone antennas with a 17.5m (to top) CU Phosco Phase 4.5 monopole housing 6 no. multi band antennas and 3 no. RRU's on new head frame, 2 no. 300mm microwave dishes and further equipment ancillary to development at Station Approach, Emsworth PO10 7PH.
--

Enclose map showing the cell centre and adjoining cells:
n/a

Type of Structure	
Description: replace existing 15m CU Phosco Phase 1 monopole with a 15m CU Phosco Phase 4.5 monopole	
Overall Height: 17.5m	
Height of existing building	N/a
Equipment Housing: <i>large existing cabin will be utilised to house upgraded equipment</i>	
Length:	
Width:	
Height:	
Materials	
Tower/mast etc – type of material and external colour:	Galvanised steel grey (or as advised by the LPA)
Equipment housing – type of material and external colour:	n/a

Reasons for choice of design:
This design solution is proposed as it will meet the technical objectives of the upgrade works with minimal additional visual impact.

4. Technical Information

ICNIRP Declaration attached	Yes	No
ICNIRP 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 the site are taken into account.		

Frequency:	4G 800 MHz Cellular band 2G/3G 900 MHz Cellular Band 2G 1800 MHz Cellular Band 3G 2100 MHz Cellular Band 4G 2600 MHz Cellular Band
Modulation characteristics ²	GMSK for 2G (GSM) antennas QPSK for 3G (UMTS) antennas.
Power output (expressed in EIRP in dBW per carrier)	32 dBW
In order to minimise interference within its own network and with other radio networks, Telefonica 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 Telefonica'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	

² The modulation method employed in 2G (GSM) is GMSK (Gaussian Minimum Shift Keying) which is a form of Phase modulation

The modulation method employed in 3G (UMTS) is QPSK (Quad Phase Shift Keying) which is another form of Phase Modulation

The modulation method employed in 4G (LTE) is 64 QAM (Quadrature Amplitude Modulation) which is another form of Phase Modulation

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.	
Height of antenna (m above ground level)	15.4m (to underside)

5. Technical Justification

Enclose predictive coverage plots.

Reason(s) why site required e.g. coverage, upgrade, capacity (map attached if required): Vodafone has recently entered into an agreement with Telefonica pursuant to which the two companies plan to jointly operate and manage a "single network grid" across the UK. These arrangements will be overseen by Cornerstone Telecommunications Infrastructure Ltd (CTIL) which is a joint venture company owned by Telefónica and Vodafone. This agreement allows both organisations to pool their basic network infrastructure, while running two, independent, nationwide networks. This will maximise opportunities to consolidate the number of base stations and in turn significantly reduce the environmental impact of both existing and future network development. This particular installation has been identified as a "key" site which is to form part of the new 4G network development programme across the Hampshire area, which will increase the efficiency, capacity and ever increasing technical capabilities of the mobile network and offer new high speed broadband 4G coverage.
--

6. Site Selection Process – alternative sites considered and not chosen (Enclose map highlighting all alternatives that have been considered by the operator)

Site ³	Site Name and address	NGR	Reason for not choosing ⁴
			n/a

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

This proposal represents a relatively minor upgrade to an existing telecommunications installation so to further enhance its efficiency and technical capabilities. As such it was not considered appropriate to carry out a search for alternative options given the proposed alterations and additions are not considered to materially increase the visual impact of the existing installation.

Additional relevant information:

³ ETS – Existing Telecomm site, ES – Existing Structure, RT – Roof Top, GF – Greenfield

⁴ SP – Site Provider, RD – Redevelopment Not Possible, T – Technical Difficulties, P – Planning, O - Other

Siting and Visual Impact Considerations

The proposed upgrade works involve only minor changes to the siting of the existing base station, namely:

- The replacement mast will be of the virtually the same height and will not will not have any significant impact on the amenity of the area. The existing monopole will be removed as part of the pole replacement program.

The replacement mast is of virtually the same height as the existing installation and there will be no increase in the amount of equipment at ground level. To all intents and purposes, the proposed siting and design of the development will be similar to the existing development, as will its impact in the street scene. As a result, the upgraded base station will continue to blend into this commercial area with minimal visual impact.

National Planning Policies

The National Planning Policy Framework (NPPF), which sets out the Government's national planning policies for England, was published on 27 March 2012. Paragraph 14 of the NPPF states that a *presumption in favour of sustainable development* lies at the heart of the planning system and, in respect of decision-taking, this means that development proposals that accord with the provisions of the Development Plan should be approved without delay. In the case of this application, the Development Plan does not contain any directly relevant policies and, therefore, the following guidance at paragraph 14 of the NPPF applies:

"For decision-taking this means....

where the development plan is absent, silent or relevant policies are out-of-date, granting permission unless:

- *any adverse impacts of doing so would significantly and demonstrably outweigh the benefits, when assessed against the policies in this Framework taken as a whole; or*
- *specific policies in this Framework indicate development should be restricted."*

In our view, the upgrade proposal accords fully with all relevant NPPF guidance. The proposed development is supported by paragraph 17, third bullet point, of the Core Planning Principles of the NPPF, which states that decision-taking should:

*"...proactively drive and support sustainable economic development to deliver the homes, business and industrial units, **infrastructure** and thriving local places that the country needs..." (my emphasis).*

This theme is developed further in Section 5 'Supporting high quality communications infrastructure' of the Achieving Sustainable Development section of the NPPF (paragraphs 42-46) where the government sets out its objectives for national telecommunications planning policy.

Paragraph 42 emphasises that advanced, high quality communications infrastructure is

essential for achieving sustainable economic growth, and that high speed broadband and other communications networks, such as the proposed development and its role in Telefónica UK and Vodafone's digital infrastructure networks, play a vital role in enhancing the provision of a range of local community facilities and services. This central plank of government planning guidance for communications infrastructure is clearly supportive of the proposed development at the application site.

The proposal also accords with other key guidance contained in section 5 of the NPPF, namely:

- The installation of electronic communications apparatus at an existing base station site meets national planning policy objectives of keeping the numbers of telecommunications masts and sites to the minimum consistent with network requirements (paragraph 43);
- The proposed siting and design of the development complies with the objective that equipment should be sympathetically designed and camouflaged where appropriate (paragraph 43);
- An appropriate level of consultation has taken place in advance of submitting the planning application (paragraph 44);
- An ICNIRP declaration is submitted (paragraph 45).

The proposed development also accords fully with the design guidance contained in section 7 of the NPPF. In this regard, the proposal is an acceptable design solution that is an entirely suitable development given the context of the application site: it, therefore, meets fully the guidance contained 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)."

In respect of this guidance, it has been demonstrated that the proposal will not have any significant visual impact, as it is virtually the same height and in the same position as the existing base station, and it will not affect any heritage asset. The existing cabin will be used to house the upgraded equipment at ground level and thus will have no visual impact. It, therefore, follows that significant weight should be given to the need for the development in view of the wider socio-economic and sustainable development benefits of providing improved network coverage in this area, entirely in accordance with section 5 of the NPPF.

The Plan for Growth and Ministerial Statement

The 'Plan for Growth' report, published alongside the Budget 2011 announcement in March 2011, outlines the government's intention to refocus the planning system to include a presumption in favour of sustainable development, including measures to support the UK's digital infrastructure and mobile broadband communications networks. These objectives are now reflected in part in the NPPF.

The Plan for Growth is directly relevant to this application, as the proposal will enable Telefónica UK and Vodafone to improve their digital infrastructure services to the local area, including mobile broadband services, where there is currently a need to undertake upgrade works to the existing base station.

On 23 March 2011, the Minister of State for Decentralisation issued a statement on the Planning for Growth agenda that is a material consideration in the determination of this application. This statement included the following guidance:

"...The Government's top priority in reforming the planning system is to promote sustainable economic growth and jobs. The Government's clear expectation is that the answer to development and growth should wherever possible be 'yes', except where this would compromise the key sustainable development principles set out in national planning policy..." (Second paragraph); and

"...When deciding whether to grant planning permission, local planning authorities should support enterprise and facilitate housing, economic and other forms of sustainable development. Where relevant - and consistent with their statutory obligations - they should therefore:

(i) consider fully the importance of national planning policies aimed at fostering economic growth and employment, given the need to ensure a return to robust growth after the recent recession...

(iii) consider the range of likely economic, environmental and social benefits of proposals; including long term or indirect benefits such as increased consumer choice, more viable communities and more robust local economies (which may, where relevant, include matters such as job creation and business productivity)...

(v) ensure that they do not impose unnecessary burdens on development..."

The proposed upgraded base station, which is an integral part of Vodafone's network and will become part of Telefonica's network is precisely the type of high-speed digital infrastructure that the Government is seeking to support as part of the presumption in favour of sustainable development. Moreover, the proposed upgrading will deliver social, economic, and environmental benefits by improving network coverage in this area as well as offering new 4G high speed broadband coverage.

Development Plan Policies

Policy US3 "Telecommunications" has not been saved from Havant Borough Council's 2005 Local Plan

However, this existing telecommunications installation is already an integral part of Vodafone's network and will be shared another code operator without the requirement for significant additional height or impact on the local vicinity. In addition, relatively minor changes will facilitate an important upgrade to 4G coverage for the area.

10.85 Government policy is to facilitate the growth of telecommunications, whilst remaining fully committed to environmental objectives, including the protection of the countryside and urban areas. In cases where a planning application or other authorisation by the local planning authority is needed for telecommunications development, protection from visual

damage and the effect of proliferation will be important considerations, particularly in sensitive areas such as the Green Belt, Sites of Special Scientific Interest (SSSI's), Conservation Areas, or other locations where large new structures may be particularly obtrusive. Where damage to the environment seems likely to occur, the Council will press for alternatives to be investigated, including sharing of facilities to minimise the proliferation of sites. Exceptional circumstances may exist where a site forms part of a local, regional or national network and there is no reasonable alternative to permitting an intrusive new structure; in this case the aim will be to minimise any intrusion. In some instances it may be possible to 'disguise' telecommunications installations - this approach was applied at Downhill, where microwave dishes were incorporated into the structure of a converted house. Major telecommunications operators are generally subject to licence conditions requiring the removal of any redundant apparatus; where operators are not regulated in this way, a planning condition will be applied to achieve the same result.

In respect of this guidance:

- It is self-evident that Vodafone Ltd and CTIL would not submit this application unless there was an operational need to upgrade the existing base station to provide improved network coverage and new 4G coverage to the local area;
- The proposed replacement mast is of virtually the same height as the existing installation and is an entirely suitable form of development at this location, as evidenced by the previous consent granted for this registered telecom site. Similarly, there will not be any increase in equipment at ground level. The overall visual impact of the upgrade proposal will be minimal.
- Consequently, the proposed development will not have any significant adverse impact on the amenity of the area or the outlook and amenities enjoyed by residents living within the housing areas located closest to the site.

Importantly the proposal already has the benefit of planning permission and, therefore, the issue of whether or not the proposal is inappropriate development does not arise in this case. The only matters for consideration are the issues of the siting and appearance of the replacement mast. In our opinion, the proposed siting and design of the development is acceptable as it will minimise visual impact and avoid any harm to the amenity of this area. It follows, therefore, that the proposal accords with the provisions of the Development Plan.

Conclusion

The application seeks consent to replace an existing structure with a shared monopole of very similar height and design. Once installed the replacement equipment will, due to its relatively minor changes, successfully assimilate into the existing street scene.

It is considered that the proposal accords fully with the requirements of local and National Planning Policy Framework and approval should therefore be granted accordingly.

Contact Details

Name: (Agent)	<u>Matt Higgins</u>	Telephone:	<u>07765 989699</u>
Operator:	<u>CTIL and Vodafone Ltd</u>	Fax no:	<u></u>

Address:

Harwell Innovations
Centre, 173 Curie
Avenue, Didcot
OX11 0CQ

Email Address:

[REDACTED]

Signed:

[REDACTED]

Date:

27/3/14

Position:

Consultant

Company:

CAIP LTD

(on behalf of CTIL
and above operator)