

<b>SUPPLEMENTARY INFORMATION</b>
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**1. Site details**

Site Name	Elilaw Ate	Site Address	Elilaw, Thropton, Morpeth, Northumberland, NE65 7HN
NGR	E: 397670, N: 608731		
Site Ref Number	KXR791_NHU074	Site Type <sup>1</sup>	Macro

**2. Pre Application Check List**

**Site selection (for New Sites)**

(would not generally apply to upgrades/alterations to existing sites)

Was an LPA mast register used to check for suitable sites by the operator or the LPA? If no explain why	Yes	No
This is an upgrade of the existing equipment.		
Was the industry site database checked for suitable sites by the operator? If no explain why	Yes	No
This is an upgrade of the existing equipment.		

**Annual roll out consultation with LPA**

Date of last annual rollout information/submission	Unknown
Name of contact	
Summary of outcome/Main issues raised: It is not anticipated the proposed development has been included in any annual rollout information due to the minor nature of the proposed works.	

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<sup>1</sup> Macro or micro

### 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		
Name of contact		
Summary of outcome/Main issues raised: N/A, due to the minor nature of the proposed works to existing site.		

## Ten Commitments Consultation

Rating of Site under Traffic Light Model	Green	Amber	Red
<p>Outline Consultation carried out</p> <p>In accordance with the Code of Best Practice the site has been given a rating of Green due to the minimal visual impact on the existing structure. No consultation has been carried out.</p>			
<p>Summary of outcome/Main issues raised:</p> <p>N/A</p>			

## School/College

<p>Location of site in relation to school/college (include name of school/college)</p> <p>It was considered that there was no school or college with a direct functional or visual relationship with the proposed.</p>
<p>Outline of consultation carried out with school/college (include evidence of consultation)</p> <p>N/A</p>
<p>Summary of outcome/Main issues raised:</p> <p>N/A</p>

## Civil Aviation Authority/Secretary of State for the 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 the Defence/Aerodrome Operator been notified.	Yes	No
<p>Details of response:</p> <p>N/A</p>		

## Developer's Notice or Article 12 Notice

Copy of Developer's Notice enclosed/ Article 12 Notice enclosed	Yes	No
Date served	22/08/2016	

### 3. Proposed Development

The proposed site	
<p><b>Description of the Site</b></p> <p>The proposed installation of 1no. 600mm dish on the existing monopole at Elilaw, which is situated near to a woodland plantation. The existing telecommunications base station is sited 240m from a bridleway (Public Right of Way) and the monopole is within Northumberland National Park. Given the insignificant size of the proposal and located on an existing monopole, it is considered to have a minimal visual impact.</p> <p><b>Planning History</b></p> <p>There has been a previous application submitted (planning reference: 02NP0005) to Northumberland National Park Authority for the, <i>'erection of 25-metre high monopole mast with 3no. 2.5 metre antennae and associated equipment cabin, compound and access track.'</i></p> <p><b>Proposed Development</b></p> <p>The proposed development comprises the installation of:</p> <ul style="list-style-type: none"> <li>• 1no. 600mm diameter radio link dish at a height of 17.5m AGL fixed to proposed MAFI on the monopole;</li> <li>• Non-visible equipment works within the existing equipment cabin; and</li> <li>• Ancillary development thereto including all necessary cabling and fixings.</li> </ul> <p>The proposed installation is required to provide replacement/improved transmission links to safeguard the operational integrity of the Airwave emergency services network.</p>	

Enclose map showing the cell centre and adjoining cells	
N/A - The proposed development is not providing radio coverage to a specified area, but is simply connecting existing base station sites via a transmission link.	

Type of Structure (e.g. tower, mast, etc):	
Proposal for 1no. 600mm dish on an existing monopole at a height of 17.5m.	
Overall Height	
Height of existing building	N/A
Equipment Housing (New)	
Length	N/A
Width	N/A
Height	N/A
Materials (as applicable)	

Tower/mast etc. – type of material and external colour	N/A
Equipment housing – type of material and external colour	N/A

Reasons for choice of design
<p>The number, size, and height AGL of the radio link dish for this site are due to technical requirements, to maintain the integrity of the Airwave network for use by the Emergency Services.</p> <p>Radio link transmission dishes are “line of sight” dependent. Each link has an “A” end and a “B” end and the dishes at either end must have an unobstructed view of each other. Links will range in end to end distance, but are generally several kilometres end to end.</p> <p>There is little choice in the design aesthetics of radio link dish equipment, which are generally manufactured in standard diameter sizes (eg. 300mm, 600mm, 1200mm etc.), all of which have a similar appearance and finish.</p>

#### 4. Technical information

<p>ICNIRP Declaration attached:</p> <p>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.</p> <p>When determining compliance, the emissions from all mobile phone network operators on the site are taken into account.</p>	<p>Yes, however the proposed transmission link has no impact on the ICNIRP compliance of this site</p>
Frequency	N/A
Modulation characteristics <sup>2</sup>	N/A

<sup>2</sup> The modulation method employed in GSM is GMSK (Gaussian Minimum Shift Keying) which is a form of Phase Modulation.  
The modulation method employed in UMTS is QPSK (Quad Phase Shift Keying) which is another form of Phase Modulation.

<p>Power output (Expressed in EIRP in dBw per carrier)</p> <p>In order to minimise interference, within its own network and with other radio networks, Airwave Ltd operates its network in such a way that radio frequency power outputs are kept to the lowest levels commensurate with effective service provision.</p> <p>As part of Airwave Solutions Ltd's network, the radio base station that is the subject of this application will be configured to operate in this way.</p>	N/A
Height of antenna (m above ground level)	17.5m

## 5. Technical Justification

Enclose predictive coverage plots


Reason(s) why site required e.g. coverage, upgrade, capacity (map attached if required)
<p>The Airwave network is a dedicated communications network for the exclusive use of the UK's emergency and public safety organisations including the Police, Fire and Rescue and Ambulance Service.</p> <p>Although the Airwave network already meets stringent reliability criteria, the Government requires further enhancement, known as Airwave Kilostream Replacement Project (AKRP), to a large percentage of the Airwave base station network sites. This involves providing a network of 'line of sight' radio links between existing base stations using radio link dishes to replace the existing ground based copper cable network links.</p>

## 6. Site selection process – alternative sites considered and not chosen

As this is an upgrade of the existing site, there are no discounted sites.

<b>Additional relevant information</b>
<p><b>Siting and Visual Appearance</b></p> <p>The 1no. 600mm dish and ancillary equipment will be installed on an existing monopole (17.5m AGL) within Northumberland National Park. This will minimise the visual impact upon the natural environment and avoid the need for a new base station in the area in compliance with national and local policy. Further information is available in the accompanying Design and Access Statement.</p>

## Contact Details

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<b>Operator</b>	Airwave Solutions Ltd	<b>Fax no</b>	
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<b>Signed</b>		<b>Date</b>	22/08/2016
<b>Position</b>	Chartered Member of the RTPI	<b>Company</b> (on behalf of the above operator)	Clarke Telecom Limited