

INDUSTRY CODE

DR C564:2018

MOBILE PHONE BASE STATION DEPLOYMENT

SUPPLEMENTARY INFORMATION

Example Documentation

Section 5: Example Notification Letter for Small Cells

Carrier logo

Carrier's consultant's logo

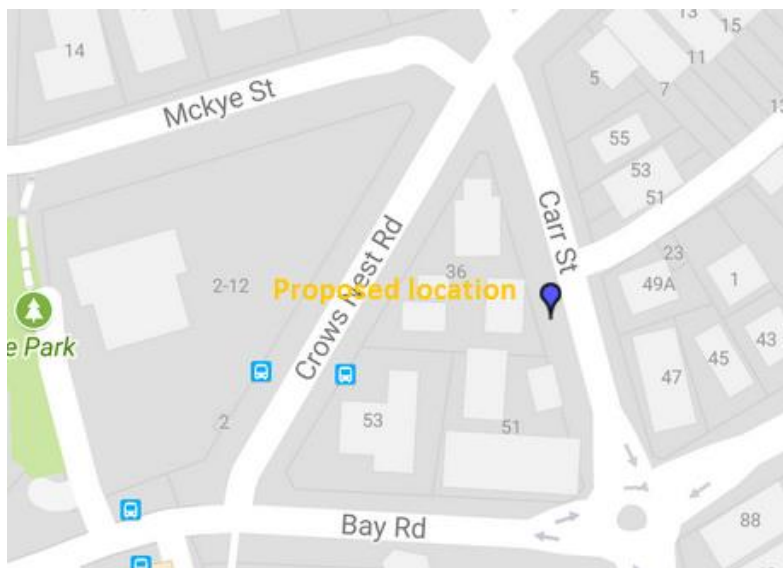
Date

<Name> (letter Occupier, Owner, Manager, IAP)

<Address>

Notification of Proposed <Carrier> Small Cell (Radiocommunications Facility) at <address>

I am writing on behalf of <Carrier> to inform you of a proposal to construct a Small Cell at the above address. This notification is undertaken in accordance with the requirements of Section 5 of the Mobile Phone Base Station Deployment Code 2018.



Location

A Small Cell is a low powered base station designed to provide mobile phone coverage to an area of 100-400m. The equipment is of a much smaller scale than a regular base station (see indicative installation above and description on following page). The Small Cell will improve and maintain local mobile network services (including voice calling and SMS), as well as video calling, video-based content services (like news, finance and sports highlights) and internet browsing.

Indicative installation

This facility is exempt from local Council planning schemes as it complies with the *Telecommunications (Low-impact Facilities) Determination 2018*.

Further details about this proposal, including sources of additional information, are provided on the following page.

If you have any questions or would like further information about the proposed installation, please contact <consultant contact details>.

Yours sincerely

<Name>

<Position>

Frequently Asked Questions_Small Cell Letter

<p>Where is it being installed?</p>	<p>Location ie on an existing electricity pole outside XX address.</p>
<p>What equipment is being installed and how big will it be?</p>	<p>eg 1m long omnidirectional antenna, equipment not more than 1 cubic metre in volume ancillary cabling gps antenna approx. 200mm</p>
<p>Does it require Council approval?</p>	<p>This facility is exempt from Local & State Government approval in accordance with Telecommunications (Low-impact Facilities) Determination 2018 <Part X, Item Y></p>
<p>Does it comply with Australian Standards for Electromagnetic Energy (EME)?</p>	<p>The facility will comply with Australian government regulations in relation to emission of electromagnetic energy(EME), this specifically being Australian Standard Radiation Protection Standard – Maximum Exposure Levels to Radiofrequency Fields –3 kHz to 300 GHz, published by the Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) in 2002. Further information is available at www.rfnsa.com.au</p>
<p>How can I find out where the base stations are in my area?</p>	<p>A database of all existing and proposed mobile phone base stations in Australia is available to the public at www.rfnsa.com.au</p>
<p>Where can I find out more information?</p>	<p>Support information about mobile phone base stations, the Base Station Deployment Code (C564:2018), your rights, health, and low impact facilities, is available from this website: www.commsalliance.com.au/mobile-phone-tower-information</p> <p>Site specific information can be found at: <a href="http://www.rfnsa.com.au/<000000>">www.rfnsa.com.au/<000000></p>

Space for
Owner's
logo

Section 6: Example Notification Letter for Interested and Affected Parties

Carrier logo

Carrier's consultant's logo

Date

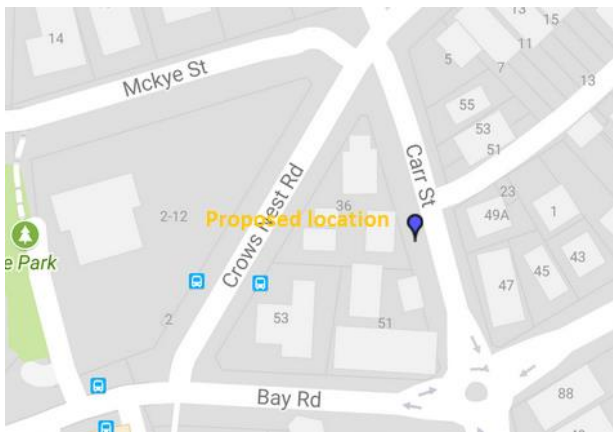
<Name>

<Address>

Dear <Name>

Proposal to install a new mobile phone base station at <address>

I am writing on behalf of <Carrier> to inform you of a proposal to construct a new <rooftop> mobile phone base station at the above address. This consultation is undertaken in accordance with the requirements of Section 6 of the Mobile Phone Base Station Deployment Code 2018.



<insert map>

The proposed base station comprises a <briefly describe installation>. The purpose of this base station is to provide coverage for <define specific area>.

As part of <Carrier's> consultation process, we invite you to provide us with your feedback about this proposal. You can do this by contacting us by letter, email or by calling the contact number outlined below. We will accept comments on the proposal until <date>.

At the end of the consultation process, a report on the outcomes and next steps will be available on the website.

We trust that you will find the information about this proposal on our website informative and are happy to provide you with more details by phone or email.

We remind you that submissions about this proposal are due by <date> and look forward to receiving your feedback.

Yours sincerely

<Name>

<Position>

Frequently Asked Questions_Interested and Affected Parties Letter

<p>Where is it being installed?</p>	<p>Location ie on rooftop of < insert XX address>.</p>					
<p>What is being installed and how big will it be?</p>	<p>eg Antenna – • Installation of 3 panel antennas <INSERT SIZE> on the rooftop of the existing building at the subject address behind shrouding Equipment Cabin (Insert size) on the rooftop Microwave dish where appropriate Ancillary equipment.</p>					
<p>Does it require Council approval?</p>	<p>The Carrier considers that this proposed facility does not require council approval because it is: a/. a low impact facility OR b/. complies with relevant State planning legislation</p> <p>The proposed installation complies with relevant State planning legislation/is a Low-impact Facility under the Telecommunications (Low-impact Facilities) Determination 1997 ("The Determination"). The reasons for this conclusion are based on the classification of the following components of the facility.</p> <table border="1" data-bbox="570 957 1414 1415"> <thead> <tr> <th data-bbox="570 957 1130 1066">Facility</th> <th data-bbox="1130 957 1414 1066">Complies with item in <legislation></th> </tr> </thead> <tbody> <tr> <td data-bbox="570 1066 1130 1415"> <ol style="list-style-type: none"> 1. <Antennas> 2. <Equipment shelter> 3. <microwave dish> 4. <Ancillary facilities such as antenna mounts, cable tray, feeders and other related items.> </td> <td data-bbox="1130 1066 1414 1415"> <p>Part W Part X</p> <p>Part Y Part Z</p> </td> </tr> </tbody> </table>		Facility	Complies with item in <legislation>	<ol style="list-style-type: none"> 1. <Antennas> 2. <Equipment shelter> 3. <microwave dish> 4. <Ancillary facilities such as antenna mounts, cable tray, feeders and other related items.> 	<p>Part W Part X</p> <p>Part Y Part Z</p>
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<p>Does it comply with Australian Standards for Electromagnetic Energy (EME)?</p>	<p>The facility will comply with Australian government regulations in relation to emission of electromagnetic energy(EME), this specifically being Australian Standard Radiation Protection Standard – Maximum Exposure Levels to Radiofrequency Fields –3 kHz to 300 GHz, published by the Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) in 2002. Further information is available at www.rfnsa.com.au</p>					
<p>How can I find out where the base stations are in my area?</p>	<p>A database of all existing and proposed mobile phone base stations in Australia is available to the public at www.rfnsa.com.au</p>					

<p>Where can I find out more information?</p>	<p>Site specific information including plans, can be found at: <a href="http://www.rfnsa.com.au/<000000>">www.rfnsa.com.au/<000000></p> <p>Support information about mobile phone base stations, the Base Station Deployment Code (C564:2018), your rights, health, and low impact facilities, is available from this website: www.commsalliance.com.au/mobile-phone-tower-information</p>
<p>How can I provide feedback on the proposal of find out more information?</p>	<p>Address: <insert details></p> <p>Email: <insert details></p>
<p>Information about this proposal is available in other languages</p>	<p>Available on request from contact details provided above.</p>

Location	<object> - <place>, <street>, <suburb> <state> <postcode>		
Date	<number> <month> <20xx>	RFNSA No.	<number>

Environmental EME Report

How does this report work?

This report provides a summary of levels of radiofrequency (RF) electromagnetic energy (EME) around the wireless base station at <place>, <street>, <suburb> <state> <postcode>. These levels have been calculated by <the carrier> using methodology developed by the Australian Radiation Protection and Nuclear Safety Agency (ARPANSA).

A document describing how to interpret this report is available at ARPANSA's website:

[A Guide to the Environmental Report.](#)

A snapshot of calculated EME levels at this site

The maximum EME level calculated for the **existing** systems at this site is

0.46%

out of 100% of the public exposure limit, 161.98 m from the location.

The maximum EME level calculated for the **proposed** changes at this site is

1.0%

out of 100% of the public exposure limit, 161.10 m from the location.



EME levels with the proposed changes

Distance from the site	Percentage of the public exposure limit
0-50 m	0.09%
50-100 m	0.16%
100-200 m	1.0%
200-300 m	0.88%
300-400 m	0.43%
400-500 m	0.24%

For additional information please refer to the EME ARPANSA Report annexure for this site which can be found at <http://www.rfnsa.com.au/xxxxxx>.

Radio systems at the site

This base station currently has equipment for transmitting the services listed under the existing configuration.

Carrier	Existing		Proposed	
	Systems	Configuration	Systems	Configuration
Optus	2G, 3G	WCDMA850, LTE1800	4G	WCDMA850, LTE1800, LTE700
Telstra	2G, 3G	WCDMA850, LTE1800	4G	WCDMA850, LTE1800, LTE700
Vodafone	2G, 3G	WCDMA850, LTE1800	4G	WCDMA850, LTE1800, LTE700
Fourth carrier	2G, 3G	WCDMA850, LTE1800	4G	WCDMA850, LTE1800, LTE700

The proposal would modify the base station to include all the services listed under the proposed configuration.

An in-depth look at calculated EME levels at this site

This table provides calculations of RF EME at different distances from the base station for emissions from existing equipment alone and for emissions from existing equipment and proposed equipment combined. All EME levels are relative to 1.5 m above ground and all distances from the site are in 360° circular bands.

Distance from the site	Existing configuration			Proposed configuration		
	Electric field (V/m)	Power density (mW/m ²)	Percentage of the public exposure limit	Electric field (V/m)	Power density (mW/m ²)	Percentage of the public exposure limit
0–50 m	0.57	0.87	0.01%	1.7	7.2	0.09%
50–100 m	0.96	2.5	0.04%	1.9	9.2	0.16%
100–200 m	3.4	31	0.46%	5.0	66	1.0%
200–300 m	3.2	27	0.40%	4.6	56	0.88%
300–400 m	2.3	13	0.20%	3.2	28	0.43%
400–500 m	1.7	7.7	0.11%	2.4	16	0.24%

Calculated EME levels at other areas of interest

This table contains calculations of the maximum EME levels at selected areas of interest, identified through consultation requirements of the [Communications Alliance Ltd Deployment Code C564:2011](#) or other means. Calculations are performed over the indicated height range and include all existing and any proposed radio systems for this site.

Maximum cumulative EME level for the proposed configuration

Location	Height range	Electric field (V/m)	Power density (mW/m ²)	Percentage of the public exposure limit
ABC Primary School	0–6 m	2.6	18	0.29%
123 Sports Centre	0–6 m	2.4	15	0.23%
XYZ Community Centre	0–6 m	2.6	18	0.29%