

A hand is shown holding a glowing, semi-transparent grid of octagonal icons. The icons include a musical note, a padlock, a location pin, a lightbulb, a magnifying glass with an 'X', a cloud with a signal tower, a person, a globe, a bar chart, a gear, a server rack, and a network diagram. The background is a dark blue server room with a person's hand visible at the top right.

NTT  
COMMUNICATIONS  
DATA CENTRE

# ACOUSTIC STATEMENT

FEBRUARY 2019

Client: **NTT Communications Corporation**  
Date: **22 February 2019**  
Ref: **BW-E-P20010-3-REP-000003-2**  
Revision: **2 (For Planning)**

**black&white**  
engineering

**REVISIONS**

Issued for	Document prepared by			Document checked by		
	Name	Signature	Date	Name	Signature	Date
Planning	Nick Conlan	<i>N. Conlan</i>	19.01.18	Draft for comments	<i>J. Grant</i>	19.01.18

Edition No.	Date	Revision Details	App'd by
1	19.01.18	Issued for Planning	J. Belton / S. Horn
2	22.02.19	Section 96a non-material amendment addendum	J. Belton / S. Horn

**CONTENTS**

**1.0 INTRODUCTION ..... 4**

**2.0 ACOUSTIC APPRAISAL SUMMARY..... 4**

**3.0 IMPACT OF PROPOSED AMENDMENTS..... 4**

## 1.0 INTRODUCTION

Black & White Engineering (B&W) was originally commissioned in December 2017 by NTT Communications Corporation to produce a detailed acoustic report to support a Full Planning Application for two Data Centres to be accessed from Yewtree Avenue to the east of Rainham Road South. Detailed Planning Permission was granted on 12 September 2018. A further decision letter dated 21 December 2018 relating to a non-material amendment for an electrical substation and security measures was issued by Be First. In January 2019, following receipt of additional information a further submission was made to upgrade the electrical services for the site.

This addendum to the previously approved Acoustic Statement has been produced to accompany a further Section 96a non-material amendment which seeks alterations to the gatehouse and the previously approved office pod of building 1 together with a number of ancillary alterations.

This document confirms that the proposed building amendments do not impact on the previously approved acoustic parameters for the site.

## 2.0 ACOUSTIC APPRAISAL SUMMARY

The original acoustic statement detailed the measured site background noise levels prior to development and assessed the impact of the proposed new noise sources against appropriate guidance and policy; and it provided noise limits for the proposed plant so that the noise impacts can be controlled to meet with planning policy.

The noise assessment for both building phases demonstrated that suitable noise levels could be achieved at the nearby receptors through a combination of plant selection, local attenuation to plant and screening of noise sources.

## 3.0 IMPACT OF PROPOSED AMENDMENTS

The proposed building amendments are summarised as: -

- Additional office floor to Building 1 - (396m<sup>2</sup> increase)
- Increased gate house footprint - (200m<sup>2</sup> increase)

	Original Application Building Areas		Proposed Amended Building Areas	
	(m <sup>2</sup> )	%	(m <sup>2</sup> )	%
Building 1 Data Centre Accommodation	17380	92.37%	17380	89.06%
Building 1 Office Accommodation	1188	6.31%	<b>1584</b>	8.12%
Gate House	248	1.32%	<b>550</b>	2.82%
	<b>18816</b>		<b>19514</b>	

Noise from the MEP plant in the larger gates house and additional office floor of Building 1 have been assessed.

There is no material change to the noise impacts as calculated in original BW-E-P20010-3-REP-000003-0 from additional MEP plant associated with these amendments. The results of the noise impact calculated in BW-E-P20010-3-REP-000003-0 remain valid with the currently proposed buildings and plant.

## CONTACT US



### ABU DHABI

#### **Black & White Engineering**

Unit 3, Mezzanine Level  
Dolphin Tower  
PO Box 128981

+971 2 631 6100



### MANILA

#### **Black & White Middle East (Philippines) Inc.**

Unit 1, 22nd floor  
Zuellig Building  
Makati Avenue, Makati City  
Philippines

+63 (2) 264 4450



### BAKU

#### **Black & White Middle East-F.Z.E.**

3, Inshaatchilar Ave,  
Baku City, AZ1073  
Republic of Azerbaijan



### NEWCASTLE

#### **Black & White Engineering Ltd**

Unit 2.8, First Floor  
Generator Studios,  
Trafalgar Street  
Newcastle upon Tyne NE1 2LA

+44 (0) 191 230 0206



### DUBAI

#### **Black & White Engineering**

1801 Marina Plaza  
Marsa Street  
Dubai  
P O Box 27793

+971 4 365 2228



### PERTH

#### **Black & White Engineering Pty Ltd**

507 Murray Street  
Perth, WA

+61 8 6218 3120



### LONDON

#### **Black & White Engineering Ltd**

28-30 Worship Street  
London  
EC2A 2AH



[enquiries@bw-engineering.com](mailto:enquiries@bw-engineering.com)



[www.bw-engineering.com](http://www.bw-engineering.com)



**black&white**  
engineering