

Monitoring direction under s.105Z12 of the Communications Act 2003 (the “Act”)

On 13 October 2022, a Designation Notice was issued to Huawei under s.105Z8 of the Act (as amended by the Telecommunications (Security) Act 2021) designating Huawei Technologies (UK) Co., Ltd. and its affiliated companies (together, “**the Huawei corporate group**” or “**Huawei**”) for the purposes of a designated vendor direction.

At the same time, Designated Vendor Directions (“DVDs”) were sent to 35 public communications providers under s.105Z1 of the Act published on GOV.UK¹ (the “[Published DVD](#)”). The DVDs place 12 specific requirements around the use of Huawei goods and services by those providers.

To obtain information that would assist the Government in ensuring the continued compliance of the providers with the DVD, I am now issuing you with a monitoring direction under s.105Z12 of the Act.

Under s.105Z12, I require Ofcom to obtain information relating to specified public communication providers' compliance with the DVD and to prepare and send reports based on that information to me as set out below. Those providers in question are identified as “Relevant Providers” below. I also require Ofcom to provide on request the information on which those reports are based.

For the avoidance of doubt, the following terms (which are used below) shall have the same meaning as specified in paragraph 7 (“*Interpretation*”) of the [Published DVD](#): “**5G network**”, “**5G Base Station**”, “**Core Network Function**” and “**Huawei equipment**”.

1. DVD paragraph 5(7): Requirement to restrict the use of Huawei equipment in 5G networks to comply with each of the 35% caps imposed under paragraphs 5(7) by 31 July 2023.

Information to be obtained by Ofcom from each of the Relevant Providers:	<p><i>Information about the 35% site cap for 5G access networks (paragraph 5(7)(a) of the DVD)</i></p> <p>(a) For each of the five classes of base stations defined by the International Telecommunications Union in “ITU-T K.100”² (E0, E2, E10, E100 and E+), Ofcom must obtain the following information:</p> <p>(i) The percentage of Huawei-supported 5G Base Station sites, as calculated by the Relevant Provider in accordance with the left-hand side of the equation specified at Annex B.1 of the DVD; and</p>
---	--

¹https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/1110248/Final_Huawei_Designated_Vendor_Direction.pdf

² <https://www.itu.int/rec/T-REC-K.100-202106-I/en>

- (ii) A list of all the 5G Base Station sites which the Relevant Provider has allocated to the “ $S_{[class]}$ ” and the “ $S_{[Class]}(\text{Huawei})$ ” in accordance with the equation specified at Annex B.1 of the DVD.

If the Relevant Provider has used different classes of base stations from the ones defined in “[ITU-T K.100](#)” in solving the equation specified at Annex B.1 of the DVD, Ofcom must obtain information about the classes of base stations used by the Relevant Provider and the criteria applied to assign 5G Base Stations to each class.

Information about the 35% traffic cap for 5G access networks (paragraph 5(7)(b) of the DVD)

(b) For any particular 5G access network of the Relevant Provider, Ofcom must obtain the following information:

- (i) The percentage of the network traffic volume passing through Huawei equipment, as calculated by the Relevant Provider in accordance with the left-hand side of the equation specified at Annex B.2 of the DVD;
- (ii) Information about how the Relevant Provider has calculated the percentage of the network traffic volume passing through Huawei equipment, including any assumptions made by the Relevant Provider for the purpose of that calculation and how the Relevant Provider has allocated User Equipment (“UE”) to sets “U” and “U(Huawei)” in accordance with the equation specified at Annex B.2 of the DVD; and
- (iii) To the extent that the Relevant Provider has calculated the percentage of the network traffic volume passing through Huawei equipment based on the amount of traffic going through the individual 5G Base Station sites as identified in accordance with Annex B.1 of the DVD, Ofcom must obtain information about the amount of network traffic volume that the Relevant Provider has calculated for each of the 5G Base Station sites allocated to the “ $S_{[class]}$ ” and the $S_{[Class]}(\text{Huawei})$ ”.

Information about the 35% cap for network elements from a particular equipment class of 5G, FTTP and other gigabit or higher capable fixed access networks (paragraph 5(7)(c) of the DVD)

(c) Ofcom must obtain the following information:

- (i) A list of each equipment class that the Relevant Provider has identified in accordance with Annex B.3 of the DVD;

	<ul style="list-style-type: none"> (ii) The percentage of Huawei network elements for each equipment class identified, as calculated by the Relevant Provider in accordance with the left-hand side of the equation specified at Annex B.3; and (iii) A list of the physical equipment for each equipment class identified which the Relevant Provider has allocated to the “E_[class]” and the “E_[Class](Huawei)” in accordance with Annex B.3 of the DVD.
Information to be included in Ofcom’s report to the Secretary of State:	<p>Based on the information specified above, Ofcom must prepare and send a report to the Secretary of State including the following information:</p> <ul style="list-style-type: none"> (a) For each class of 5G Base Stations in any particular 5G access network, the percentage of sites which are Huawei-supported 5G Base Station sites, as calculated by the Relevant Providers by the method specified at Annex B.1 of the DVD; (b) For any particular 5G access network, the percentage of the network traffic volume passing through Huawei equipment, as calculated by the Relevant Providers by the method specified at Annex B.2 to the DVD; and (c) In relation to any other functions which are part of the 5G access networks, the percentage of the network elements from a particular equipment class in any particular network which is provided by Huawei, as calculated by the Relevant Providers by the method specified at Annex B.3 of the DVD.
Relevant Providers:	[redacted]
Report requested by:	31 October 2023

2. DVD paragraph 5(8): Requirement to restrict the use of Huawei equipment in Fibre to the Property (FTTP) and other gigabit and higher capable access networks to comply with each of the 35% caps imposed under paragraph 5(8) by 31 October 2023.

Information to obtained by Ofcom from each of the Relevant Providers:	<p><i>Information about the 35% cap of premises passed by FTTP and other gigabit and higher capable access networks (paragraph 5(8)(a) of the DVD)</i></p> <ul style="list-style-type: none"> (a) Ofcom must obtain the following information:
--	---

	<ul style="list-style-type: none"> (i) The percentage of premises passed by a network which are served by Huawei equipment, as calculated by the Relevant Provider in accordance with the left-hand side of the equation specified at Annex B.4 of the DVD; and (ii) In relation to the premises which the Relevant Provider has allocated to the “P(Huawei)” set (as defined in accordance with Annex B.4 of the DVD), a list of all relevant Huawei equipment involved in the provision of a non-passive function of the access connection (e.g. OLT port). <p><i>B. Information about the 35% cap in relation to any other functions which are part of the networks (paragraph 5(8)(b) of the DVD)</i></p> <p>(b) Ofcom must obtain the following information:</p> <ul style="list-style-type: none"> (i) A list of each equipment class in relation to FTTP and other gigabit and higher capable access networks that the Relevant Provider has identified in accordance with Annex B.3 of the DVD (ii) For each equipment class identified in paragraph (b)(i) above: <ul style="list-style-type: none"> ○ (1) the percentage of Huawei network elements as calculated by the Relevant Provider in accordance with the left-hand side of the equation specified at Annex B.3 of the DVD; and ○ (2) a list of the physical equipment which the Relevant Provider has allocated to the “E_[class]” and the “E_[class](Huawei)” in accordance with Annex B.3 of the DVD.
<p>Information to be included in Ofcom’s report to the Secretary of State:</p>	<p>Based on the information specified above, Ofcom must prepare and send a report to the Secretary of State including the following information:</p> <ul style="list-style-type: none"> (i) The percentage of premises passed by Fibre to the Property (FTTP) and other gigabit and higher capable access networks which are served by Huawei equipment, as calculated by the Relevant Providers by the method specified at Annex B.4 of the DVD. (ii) In relation to any other functions using Fibre to the Property (FTTP) and other gigabit and higher capable access networks, the percentage of the network elements from a particular equipment class in any particular network that is provided by Huawei,

	as calculated by the Relevant Providers by the method specified at Annex B.3 of the DVD.
Relevant Providers:	[redacted]
Report requested by:	31 January 2024

3. DVD paragraph 5(9): Requirement to not make use of Huawei equipment or any services delivered by, or on behalf of, Huawei in the execution of Core Network Functions by 31 December 2023.

Information to be obtained by Ofcom:	Ofcom must obtain information about the extent to which the Relevant Provider makes use of any Huawei equipment or any services delivered by, or on behalf of, Huawei in the execution of its Core Network Functions, including a list of any such Huawei equipment made use of or any such services delivered by, or on behalf of, Huawei.
Information to be included in Ofcom's report to the Secretary of State:	Based on the information specified above, Ofcom must prepare and send a report to the Secretary of State about the extent to which the Relevant Providers make use of any Huawei equipment or any services delivered by, or on behalf of, Huawei in the execution of their Core Network Functions.
Relevant Providers:	[redacted]
Report requested by:	31 March 2024

4. DVD paragraph 5(10): Requirement to not make use of Huawei high data rate (intra-core and inter-operator) transmission equipment in any part of core networks by 31 December 2025.

Information to be obtained by Ofcom from each of the Relevant Providers:	Ofcom must obtain information about the extent to which the Relevant Provider makes use of any Huawei high data rate intra-core and inter-operator transmission equipment in any part of its core networks, including a list of any such equipment made use of.
Information to be included in Ofcom's report to the Secretary of State:	Based on the information specified above, Ofcom must prepare and send a report to the Secretary of State about the extent to which the Relevant Providers make use of any Huawei high data rate intra-core and inter-operator transmission equipment in any part of their core networks.
Relevant Providers:	[redacted]

Report requested by:	31 March 2026
-----------------------------	---------------

5. DVD paragraph 5(11): Requirement to not use any Huawei equipment or any services delivered by, or on behalf of, Huawei in providers' 5G networks by 31 December 2027.

Information to be obtained by Ofcom from each of the Relevant Providers:	Ofcom must obtain information about the extent to which the Relevant Provider makes use of Huawei equipment or any services delivered by, or on behalf of, Huawei in any part of its 5G networks.
Information to be included in Ofcom's report to the Secretary of State:	Based on the information specified above, Ofcom must prepare and send to the Secretary of State a report about the extent to which the Relevant Providers make use of Huawei equipment or any services delivered by, or on behalf of, Huawei in any part of their 5G networks.
Relevant Providers:	[redacted]
Report requested by:	31 March 2028

A full list of public communications providers who have been issued with a designated vendor direction, and are thereby subject to this monitoring direction, has been provided at Annex 1 of this document (the "Relevant Providers").

I would like to take this opportunity to thank you for your continued commitment to ensuring the security of the UK telecoms network.

Yours sincerely,



Rt Hon Chloe Smith MP

Secretary of State Science, Innovation and Technology

Annex 1: Providers to whom a Designated Vendor Direction has been issued

Openreach Limited
BT Group PLC
VMED O2 UK Limited
Vodafone Limited
Sky UK Limited
TalkTalk Telecom Group Ltd
Hutchison 3G UK Ltd
AT&T Global Network Services (UK) B.V.
Bharti Airtel (UK) Limited
Lumen Technologies UK Limited
CityFibre Limited
Cellnex UK Limited
Colt Group Holdings Limited
Daisy Group Holdings Limited
Currys Plc
Elitetele.com PLC
Fujitsu Services Limited
GCI Network Solutions Limited
KCOM Group Limited
Neos Networks Limited
Shell Energy Retail Limited
Tata Communications (UK) Ltd
Telia Carrier UK Limited
Tesco Mobile Limited
Telstra UK Limited
Gamma Telecom Ltd.
Verastar Limited
Verizon UK Limited
XLN Telecom Ltd
Zayo Group UK Limited
China Telecom (Europe) Limited
China Mobile International (UK) Limited
Airwave Solutions Limited
Hyperoptic Limited
Gigaclear Limited