

openreach

ISIS directive
For Openreach & Partners

NWK/LNK/C607

Issue 12, 02-May-2023
Use until 02-May-2024

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FTTP – Current Network Policy Briefings - Policy

Network Policy

About this document ...

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Content approval

This is the Issue 12 of this document.

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Version History

Version No.	Date	Author	Comments
Issue 12	02-May-2023	Sam Small	Updated to remove previous briefings from January and introduce briefings from April
Issue 11	03-Apr-2023	Sam Small	Updated to remove previous briefings from January and Introduce briefings from March.
Issue 10	07-Mar-2023	Sam Small	Updated to remove previous briefings from December and Introduce Briefings from February.
Issue 9	02-Feb-2023	Sam Small	Updated to remove previous briefings from October and introduce briefings from December and January.
Issue 8	06-Dec-2022	Sam Small	Updated to remove previous briefings from August and introduce briefings from November.
Issue 7	27-Oct-2022	Sam Small	Addition of latest Policy Briefings from September and October, and removal of Policy Briefings from August.
Issue 6	06-Sep-2022	Sam Small	Addition of latest Policy Briefings from Aug, and removal of Policy Briefings from July
Issue 5	06-Jun-2022	Sam Small	Addition of latest Policy Briefings from May, and removal of Policy Briefings from April.
Issue 4	16-May-2022	Sam Small	Addition of latest Policy Briefings from April, and removal of Policy Briefings from January. Section 3.5 Policy & Build app now includes guide on availability to Android users.
Issue 3	06-Apr-2022	Sam Small	Reformat of document and addition of the current policy briefings from March.
Issue 2	26-Jan-2022	Sam Small	Change of Author and updated Briefing 807 - PROVISION OF WALL MOUNTED CBTS SERVING MDUS OR MULTIPLE SDUS

			(FLATS) to issue 2.
Issue 1	10-Jan-2022	Ada Hilton	New Document

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1 *Introduction*

This ISIS aims to highlight awareness of key Network Policy Briefings relevant to FTTP Plan & Build (P&B) and Lead to cash (L2C) work, that have been published within a rolling 3month period. This ISIS will begin with the most recent month of published records, displayed in full and inclusive of links to the source files. The Network Policy Briefings for the remaining 2mths will follow in reference form only, and will be inclusive of links to source files.

Note: Internal links will only work for Openreach employees. Partners will need to access the Information Centre: 'Briefings (Planning Policy)' section, within [CANDID](#).

To view the full list of briefings please visit the [Network Policy Briefings & Planning Communications website](#).

This document will be updated regularly to add new or updated Network Policy Briefings once published on the [Network Policy Briefings & Planning Communications website](#).

Caution: This document contains copies of the original briefing and therefore the image quality may not be perfect. It is suggested that in the first instance you should click on to the relevant briefing hyperlink or access CANDID, to view the briefing.

2 *Network Policy Briefings & Planning Communications*

Network policy briefings provide an interim method to communicate network policy/planning policy changes and those actions required by the FTTP build communities, pending inclusion of the briefing content into the relevant ISIS document.

2.1 **Briefing Registration**

Registration for Network Policy Briefings & Planning Communications ensures that you will be notified once a policy briefing is either published or updated.

To register for notifications, please go to [Registration for Network Policy Briefings & Planning Communications](#).

3 *Network Policy Communications*

3.1 Network Policy, Quality & Accreditation website

This is the front door to all things policy, with links to all our policy documentation and guidance.

[Network Policy, Quality & Accreditation](#)

3.2 Workplace: Network Policy group

Here you can view our recent posts and access our regular videos.

[Network Policy | Group | Workplace](#)

3.3 Workplace: Network Policy Academy group

Providing you with a series of short network policy modules as a visual guide to aid your understanding and test you if you're feeling confident!

[Network Policy Academy | Group | Workplace](#)

3.4 Workplace: Network Myths & Legends group

This site hosts Network Myths & Legends as they are dispelled by Openreach Chief Engineer Andy Whale.

[Network Myths & Legends | Group | Workplace](#)

3.5 Policy & Build App.

The Policy and Build app has been launched and is available to all iPhone and Android users who can view a '[How to guide](#)' when trying to download the app.

It includes essential network policy and build ISIS documents covering engineering topics from the exchange to our customers' premises.

Feedback functionality will allow you to suggest more content by texting the word POLICY to 81192 followed by your suggestion.

For more information on the Policy & Build App please contact:

ada.hilton@openreach.co.uk

mark.a.fletcher@openreach.co.uk

4 **Network Policy Briefings - linked Reference table (past 3 months)**

The following table provides a rolling view of FTTP Network Policy Briefings that have been published within the last 3 months. Please be aware that the most recently published Network Policy Briefings (*within the last month*), can be viewed in full within the sections that follow.

Issue Date	Briefing Number	Title	Author
17/04/2023	910	Think Civils Avoidance for FTTP Customer Provisions	Ada Hilton
04/04/2023	882	Openreach Sharing Policy	Ada Hilton
03/04/2023	908	Closing FPQ Scoresheets 589/590	Ada Hilton
28/03/2023	880 V2	Temporary Coiling of Overhead Cable & Equipment	Sam Small
17/03/2023	907	JMF101 – Modular Boxes	Ada Hilton
16/03/2023	906 V2	Close All Exchange Cabinet Doors	Joe McFadyen
14/03/2023	903	TM Node Port Kits – Allen Key Removal	Ada Hilton
14/03/2023	902	Legacy Shallow Build SNNs Removal	Ada Hilton
06/03/2023	901	Changes in JUP with Scottish & Southern Electricity Network	Sam Small
27/02/2023	898	MDU Telecoms & Power – Additional Guidance	Ada Hilton
27/02/2023	894 V2	Telecoms and Power Cables must Not Share Trunking	Ada Hilton
16/02/2023	796	Do Not Run Hydras Through Fire Stops [V1 RE-ISSUED/REINFORCED)	Joe McFadyen
15/02/2023	897	Pushlok Miniature CBTs for New Sites	Sam Small
13/02/2023	895	Advance Notice of Works	Ada Hilton
11/02/2023	893 V2	Changes to Licensing agreements with Electricity North West	Sam Small
13/02/2023	828 V2	Overhead Fibre Caution Labels	Sam Small
02/02/2023	876 V2	Civils - Mandatory use of Service Warning Tape	Alan Haig
19/01/2023	889	Incorrect MDU SNNs	Alan Haig
13/01/2023	886	Overhead Congestion Decision Pathway	Sam Small

For access to **all** Published Network Policy please visit:

- The [Network Policy Briefings & Planning Communications homepage](#) (for Openreach employees).
 - Please visit the [Registration for Network Policy Briefings & Planning Communications](#) site to check the categories you are signed up to receive, to ensure continued relevance to your role.

- [CANDID](#): Information Centre: 'Briefings (Planning Policy)' section (for Partner access).

5 *Network Policy Briefings viewed in full*

The sections that follow represent the most recently published Network Policy Briefings (within the last month).

Please be aware that for compliance purposes, the following snapshots are only inclusive of Policy Briefings that are permissible for Openreach and Partner viewing.

5.1 Briefing 908 – Closing FPQ Scoresheets 589/590

Network Policy Briefing



Audience: Fibre Provision - NGA, Spine, Ethernet, FTTP, FTTC, etc.
Category: FoD & FTTP

Closing FPQ 589/590 scoresheets 100% Arena usage for FTTP build

Introduction

The Network Quality and Standards team will be closing FPQ 589/590 scoresheets for PON submissions throughout April, with a view of 100% PON submission to commissioning using Arena by the 2nd of May 2023.

From the **2nd of May 2023** the commissioning team will **no longer accept 589 or 590 FPQ submissions**.

- Both FND and CE have been fully onboarded, any other teams requiring onboarding can be picked up through April should they be identified.
- This move is required to simplify things for all stakeholders as Arena is now the only quality checking platform for FTTP.
- FND appear to have moved over 100% with no FPQ submissions in the last week (w/e 29.03.23)
- CE are in the process of completing this change and the team are working with them to complete the change.
- If your team have not been contacted and require onboarding, please contact:
stephen.myhill@openreach.co.uk - Network Quality & Standards Specialist
marc.henson@openreach.co.uk - Network Quality, Standards & Accreditation Specialist

Arena

Arena is now the quality checking platform of choice within Openreach. It has been heavily invested in by the business and individual business units, particularly CE & FND.

Since it's roll out, Arena is providing a much more transparent view of Fibre build quality through both multi work point audit and fibre sign off. When used by M23 accredited COW's/FBC's as per

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03.04.2022

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policy it is impossible to send PON to commission where plant is missing, or where there are defects that will cause a L2C failure.

Arena Benefits over FPQ

- FBC's ability to document & prove the network they are responsible for at sign off.
- Documented evidence of network in damage cases.
- Clear transparent defect management & control with escalation of non-compliance.
- Engineer behaviours easily recognised or coached by Patch Managers with quick random dashboard checks to ensure compliance, this gives the PM visibility of what they are accountable for and an ability to check.

Good example of work point audit by FBC:

- Picture of box.
- Guarding being used.
- Layout in the box.
- Splicing within trays.
- Location services pinpoints work point on map.



Gold standard example of work point audit:

- Picture of box.
- Guarding being used.
- Layout in the box.
- Splicing within trays.
- Tray labels.
- Location pinpointed on map.
- CBT & Light test results.



References

[NWK/LNK/C569 - Process for quality assurance in FTTP network build](#)

[NWK/LNK/C610 - Chief Engineer FTTP Build Operational Model – Policy](#)

[NWK/LNK/C617 - Chief Engineer FTTP Build Operational Model \(Partner Version\) – Policy](#)

For advice and support please contact:

stephen.myhill@openreach.co.uk Network Quality & Standards Specialist

[Network Policy Website](#)

[Network Policy Briefings & Planning Communications](#)

[Registration for Policy Briefings and Planning Communications](#)

[Openreach Acronyms & Glossary of Terms](#)

[Network Policy Workplace Group](#)

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5.2 Briefing 882 – Openreach Sharing Rules

Network Policy Briefing

openreach

Audience: All Teams
Category: Regulatory, Quality & Governance

Openreach Network Sharing Rules and OFNL Sites

Important Policy Update

Introduction

Please note: References to Openreach will also represent BT for the purposes of this document.

This briefing is a reminder to all teams that survey, plan or build our network of the sharing rules to follow when providing service to a customer site.

This briefing refers to Openreach provision of copper or fibre products via non-Openreach cables, duct or poles.

This briefing does not refer to other Communication Providers (Alt-Nets) utilising Openreach network which is covered by [NWK/LNK/C258 - PIA - Physical Infrastructure Access - Policy](#).

Please ensure you read and understand this briefing as non-compliance of the policy may lead to OFCOM charges for non-compliance of equivalence.

Background

On Publicly Maintained Highways it is Openreach's policy to build its own infrastructure and not to use other operator's infrastructure.

On private land, including residential or mixed-use developments, Openreach's preference is to build its own infrastructure and cabling, but we will consider using other operator's duct on private land provided that the owner of that duct agrees to Openreach's duct sharing terms.

We do not support the use of others (non-Openreach) solid cable or blown fibre for the provision of service in the access network up to Openreach's NTE. The only exception to this is in large multiple carrier data centres which require cross connects from a meet-me facility to an end users rented space.

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We are briefing these instructions as examples of non-compliance have been identified at 5 separate OFNL (Open Fibre Networks Limited) sites (listed below) which now need to be rectified and regularised at additional expense to Openreach.

- OFNL Site at London Kings Cross
- OFNL Site Islington Square London
- OFNL Site at Berryfields Aylesbury
- OFNL Site Mulberry Park Bath
- OFNL Site Deer park School Hampshire

Important – OFNL (Open Fibre Networks Limited) sites

A new agreement between Openreach and OFNL is now being trialled and we need all teams to comply with the terms of the trial agreement. If you receive an order to provide service to a customer who is located within an OFNL site, you must follow the guidance below:

- Do not agree to share any OFNL cables to provision your order.
- Contact the following Openreach Network Policy team members:
ada.hilton@openreach.co.uk
kevin.fisher@openreach.co.uk
- The Network Policy team will provide guidance until the trial is completed and additional policy guidance is published.

High Level Policy

There may be occasions where you will be asked to share non-openreach network by a customer, another Communications Provider (CP), or landowner etc.

This may seem to be an ideal solution, saving time, effort and cost. However, it takes away much of Openreach's control over its network and introduces an element of risk into the security and integrity of service.

You may be presented with a BT Agreement signed with the site owner, or the CP and site owner that suggests permission to share non-Openreach duct is allowed. This is not the case. In scenarios where we do permit duct sharing (see below) this is only allowed where we have obtained an Openreach duct sharing agreement signed by Openreach and the asset owner.

The high-level policy is that we do not share non-openreach network to provision our network up to our demarcation of the Network Termination Equipment (NTE).

The only exceptions to this rule are described in the following in the following sections.

Sharing non-Openreach duct

We **must not** utilise non-Openreach duct including a PIA established CPs duct in the Public Maintainable Highway (PMH).

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In private land it is recognised that in certain circumstances, Openreach can appear unduly cautious when asked to share non-Openreach duct. However, any duct sharing in private land must follow the policy documented in [NWK/LNK/C539 - Duct/Pole Sharing \(Non-PIA\) & Ownership – Policy](#).

Where the sharing in private land meets the policy criteria, we must request for a duct sharing agreement to be signed by the asset owner as per the policy document.

Sharing Fibre cables - Including Blown Fibre Tubing and Bundles

Under no circumstances should Openreach teams agree to share a non-Openreach solid cable, Blown Fibre Tubing (BFT) or Blown Fibre Bundle (BFB) to provide service up to the NTE for a customer.

Again, you may be presented with information from the CP or site owner that suggests Openreach has agreed to utilise third party fibre. As outlined above this is not permitted **unless, the site is included within an official Openreach trial.**

Please contact the author of this document if you are unsure if your site is included within one of the trials.

Data Centres

Data Centres include product models that are an exception to the policy and you **must** refer to [NWK/LNK/C551 - Data Centres - Fibre and Copper Build - Policy](#).

Or contact the Data Centre team at DataCentres@openreach.co.uk

Sharing of Copper cables

Under no circumstances should Openreach teams agree to share a non-Openreach copper cable to provide service up to the NTE for a customer.

Sharing non-Openreach Poles

We do not share Other Licensed Operators (OLO) network infrastructure in the Public Maintainable Highway (PMH). The only exception is where we share Electrical Distribution Network Operators (DNO) poles under Joint User Poles (JUP) agreements.

Please refer to:

[NWK/LNK/C517 - JUP - Joint User Poles - Policy](#)

Using non-Openreach poles in private land

Provided certain conditions regarding the specification of the pole and pole environment are met, Openreach may agree to use an end users pole. However, since the quality of the pole, preservation technique or erection method cannot be assured Openreach does not permit its people to climb non-Openreach poles.

Therefore such poles must only be accessed via an elevating platform. Similarly the proximity of any overhead electrical feeds or other hazards should be considered (as per joint user poles).

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Uncontrolled if Printed

All site conditions should be carefully analysed, and a risk assessment must be completed. This must include the pole specification for loading, ensuring a pole inspection schedule is in place, pole safety and wire height clearance before Openreach agrees to such an arrangement.

For further guidance please refer:

[EPT/OHP/C022 - Poles - General Test and Examination](#)

[NWK/LNK/C539 - Duct/Pole Sharing \(Non-PIA\) & Ownership – Policy.](#)

Further advice and support is available from:

Ada Hilton

Network Policy Specialist - ada.hilton@openreach.co.uk

[Network Policy Website](#)

[Network Policy Briefings & Planning Communications](#)

[Registration for Policy Briefings and Planning Communications](#)

[Openreach Acronyms & Glossary of Terms](#)

[Network Policy Workplace Group](#)

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Audience: **Openreach & Partners**
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5.3 Briefing 910 – Think Civils Avoidance for FTTP Customer Provisions

Network Policy Briefing

openreach

Audience: Fibre Provision - NGA, Spine, Ethernet, FTTP, FTTC, etc.
Category: FoD & FTTP

Think Civils Avoidance for FTTP Customer Provision!

The use of civils to provide duct and/or boxes is costly and time-consuming. It is therefore essential that all CIVILS AVOIDANCE solutions are properly investigated before progressing any request for civils work (via A55 etc).

Policy requirement is that all teams including L2C, Survey, Planning, Build and Civils must consider all Civils Avoidance techniques before requesting, progressing or executing a civils task.

There is a comprehensive range of civils avoidance techniques and solutions that can help to avert civils work for Customer Provision (L2C) - these are summarised in the table below.

Solution	Description	Reference / Further info
FTTP L2C DiG Cable (COF256 RFOD)	The COF256 1-fibre FTTP Round FOD cable is a DiG solution (min depth 100mm) from the customer curtilage to the customer premises. Can also be used for an overhead drop.	<ul style="list-style-type: none"> Policy Briefing #865 EPT/OHP/B081 (Round Fibre Only Drop-wire) <p>Item codes: FTTP OH Round Fibre Only Drop Cable - 35M-112949, 65M-112950, 105M-113191, 350M-113193, 160M-112952</p>
'CAD type' Cable (COF250) X-cable = 4 fibres Y-cable = 2 fibres	Solution for serving 2-4 premises via a small diameter duct. Provides 4f (X-cable) or 2f (Y-cable) OptiTap connectors for plugging into CBT. Overhead solution is coming soon!	<ul style="list-style-type: none"> NWK/LNK/C591 (FTTP X & Y Cable – Policy) FEN69 (The X and Y Cables) <p>Item codes: 2f with OptiTap breakout Y Cable 25m-108547, 55m-108955, 80m-108956, 115m-108957,</p>

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		160m-108958, 350m-108959 4f with OptiTap breakout X Cable 25m-108960, 55m-108961, 80m-108962, 115m-108963, 160m-108964, 350m-108965
Avoidance of Tree Cutting (Tree-Guard)	New rules have also been introduced which allow drop-wires and aerial cables to run through and be deflected by branches, within set limits (Tree-guard).	<ul style="list-style-type: none"> EPT/OHP/B085 (Cabling through Trees) FEN68 (Tree Cutting) <p>Item codes:</p> <p>048987 - All Dropwires, including Fibre Drop Tubes, SST, Hybrid and 4, 12 and 36 Fibre ULW</p> <p>048988 - PET Aerial 10/0.5 and 20/0.5</p> <p>048989 - PET Aerial 50/0.5 and 100/0.5</p> <p>048990 - PEQ6 104.63 and 60/0.9</p> <p>048991 - PET Aerial 100/0.6</p>
Other DiG L2C Solutions (Keep it simple)	Options include: <ul style="list-style-type: none"> Cleat drop cable to fence/wall Use of Roadway tape Run drop cable around edge of garden 	<ul style="list-style-type: none"> EPT/UGP/B101 (FTTP DiG Estates, Civils & Cabling) <p>Item codes:</p> <p>104177 - Roadway tape</p> <p>105154 - Primer</p>
The Single duct solution	If duct is required to the wall (e.g. BTTW) <ul style="list-style-type: none"> Use a single duct not 2 Provide on the boundary of premises Utilise 'CAD type' X/Y cable 	<ul style="list-style-type: none"> EPT/UGP/B101 (FTTP DiG Estates, Civils & Cabling) NWK/LNK/C591 (FTTP X & Y Cable – Policy)
4mm Cobra Rod	Compact and lightweight, useful on DiG estates and lead-ins with Micro-Duct/Gabocom Tubing, Duct 56, Drop Duct 25/17, older Duct 102 & 100 and some less common 1" plastic or metal duct feeds.	<ul style="list-style-type: none"> EPT/UGP/E043 (Cabling in Duct Manual) NWK/LNK/C322 (Duct Blockage Process) <p>Item codes:</p> <p>112891 - 4mm Rodding Cassette</p>
Slippery Fish (COF250)	A rigid 12 fibre cable (8mm x 4mm), suitable for rodding installation when a duct is congested.	<ul style="list-style-type: none"> AEI/AEC/B280 (COF250 Self Rodding Fibre Cable) EPT/COF/D950 (Installation of COF250 into nodes)

		Item code: 087333-Cable Optical Fibre 250 12 Fibre Small Format Self-Roddable Cable (300m drum)
Flexible Duct Drill	Removes debris/blockages from a Bend Duct 56 at the customer premises and poles.	<ul style="list-style-type: none"> NWK/LNK/C592 (FTTP L2C – Common Issues & Solutions) Item code: 088049 Flexible Duct Drill 1A
Specialist Rodding Tools/Attachments	For cabling through congested and partially blocked ducts, can save on costly maintenance digs.	<ul style="list-style-type: none"> EPT/UGP/B100 (Civils Manual) EPT/UGP/E043 (Cabling in Duct Manual) Multiple solutions available in the above ISIS
Blockage Clearance	Options include: <ul style="list-style-type: none"> Mini-Jetter (FEN71) - adapted battery pressure washer that can be fed into the duct. Manual Desilt for Lead-ins. 	<ul style="list-style-type: none"> NWK/LNK/C322 (Duct Blockage Process) FEN71 Note: Mini Jetter is currently in trials.
Overhead Solutions	Recent policy changes to allow the increase of <i>Drop-wires In Line of Route</i> (DILOR) where criteria are met.	<ul style="list-style-type: none"> AEI/AEC/B335 (DILOR) EPT/ANS/A011 (Specification for Dropwire Work)
Duct Camera	A duct inspection system that helps you locate and diagnose problems in duct systems.	<ul style="list-style-type: none"> NWK/LNK/C322 (Duct Blockage Process) Item codes: 100742 - Duct Camera 1A WNTY 064789 - Duct Camera 1A. 621.38 100677 - Duct Camera 1A RPR
Cut & Draw of existing copper cable	This is a high-risk practice and should only be used where teams are ready to follow up with an immediate dig and repair. Ensure an engineer with copper skills is on site.	<ul style="list-style-type: none"> NWK/LNK/C322 (Duct Blockage Process)

Note: Policy briefings are available from 'Network Policy Briefings & Planning Communications' website (use BT Intranet search for 'Policy Briefings'). ISIS documents are available from either The Bookstore Library or the Policy & Build App.

When doing an FTTP L2C job, think if neighbouring properties could benefit from the work you are doing to connect the current customer. Ask yourself questions like:

- Can a single duct serve multiple properties?

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- Would putting in a 'CAD type' X-cable (4f) now make it easier to serve the 2nd, 3rd, 4th customers in future?
- Are there alternatives to digging up paths and driveways e.g. Roadway tape or routing of fibre cable around garden fence/wall? Remember keep it simple if you can.

Further Information

For further information on Civils Avoidance solutions contact:

- **Engineering Innovation**
Tom Boswell - tom.boswell@openreach.co.uk
Mark Smith - mark.27.smith@openreach.co.uk
- **Underground/Civils**
Carl Morrell - carl.morrell@openreach.co.uk
- **Overhead**
Wes Grantham - wesley.grantham@openreach.co.uk
Anthony Stewart - anthony.2.stewart@openreach.co.uk
- **Network Policy**
Stan Edwards - stanley.edwards@openreach.co.uk
Mark Fletcher - mark.a.fletcher@openreach.co.uk
Ada Hilton - ada.hilton@openreach.co.uk

For advice and support please contact:

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ada.hilton@openreach.co.uk Network Policy Specialist

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6 ***Glossary***

For a comprehensive list of abbreviations follow this [Glossary of terms](#) link

END OF DOCUMENT
