

Key information for developers and builders



Australia's broadband network

Copper to the MDF

In order to take advantage of the nbn™ Copper to the MDF network, the developer/builder will need to install the appropriate size lead-in conduit. All conduits must be nominal white telecommunication.

Please refer to the new developments: deployment section of the nbn™ conduit and pit network guideline NBN-TE-CTO-194 for service drop conduits including figure 9 reflecting nominal conduit dimensions.

A registered cabler must install the internal customer and backbone cabling in accordance with the Australian Standards AS/CA S009 2013: Installation requirements for customer cabling (Wiring Rules).

The MDU would need to be prepared with the appropriate pathways and access panels to each tenancy, unit or apartment. Please refer to the building design Guideline NBN-TE-CTO-284.

The developer/builder are required to provide the following in the communications room or cupboard:

- All cable tray within the communications room or cupboard
- The appropriate sized MDF with terminal blocks to support nbn's copper cable
- A CET (communications earth terminal) is required to allow the earth bonding of the MDF

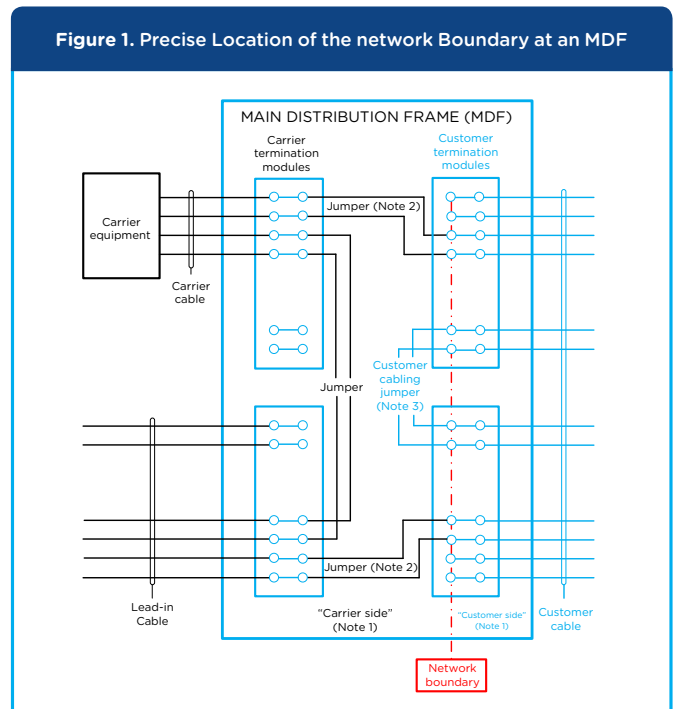


Figure 1: Precise Location of the network Boundary at an MDF. (Notes: 1, 2, 3 please refer to Figure J18 of AS/CA S009 2013).

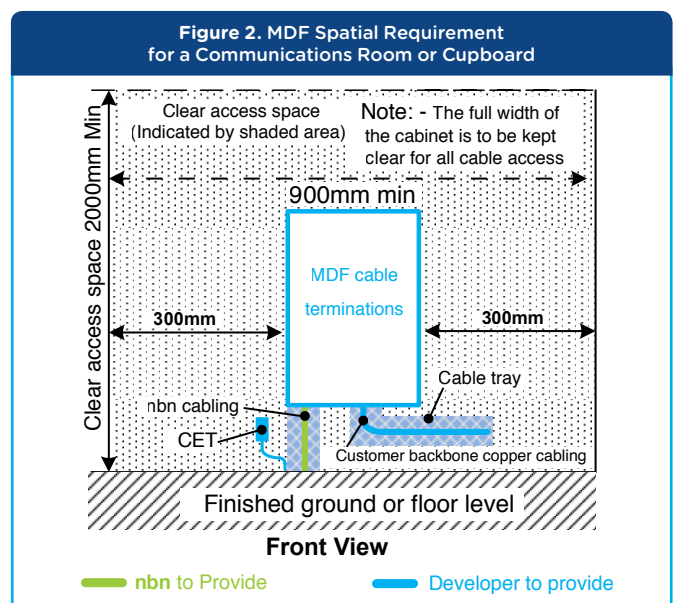


Figure 2: Represents the layout for the spatial clearance and access clearances around the MDF in the communications room or cupboard.

The MDF shall **not** be installed in the following locations, refer to AS/CA S009 2013. Please consult with **nbn** New Developments on the proposed location of the MDF prior to the installation:

- Within any area classified as a hazardous zone. (AS/CA S009 2013 Clause 7.1.2, 7.1.3.7)
- Within a restricted zone described in. (AS/CA S009 2013 Clause 7.2.2)
- In any area subject to corrosive fumes or fluids
- In any room containing washing, bathing and shower or toilet amenities
- In a fire escape stairway
- Within a cupboard containing a fire hose reel
- In a boiler, plant or machine room
- Near an automatic sprinkler, unless the MDF is provided with a shield to prevent water falling on it, or all sprinkler heads which could project water on to the MDF are provided with suitable deflectors; or the sprinkler heads are of the dry type
- Within restricted zone boundaries

Security

The MDF location, shall have provision for securing with a key, lock or tool. (AS/CA S009 2013 Clause 13.5)

The MDF must meet the compliance labelling of the ACMA (Australian Communications and Media Authority) and must be installed in accordance with the requirements of the Australian Standards AS/CA S009 2013: Installation requirements for customer cabling (Wiring Rules).

It is important that developers/builders and cabling talk to the new home owners (where practical) in relation to the telecommunications services they may want to access in their homes and provide guidance on where customer cabling phone or data outlets should be located. The **broadband service** will be delivered over the **nbn™** network via a customer selected retail service provider (RSP).

For more information:

1800 687 626

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nbn.com.au/newdevelopments

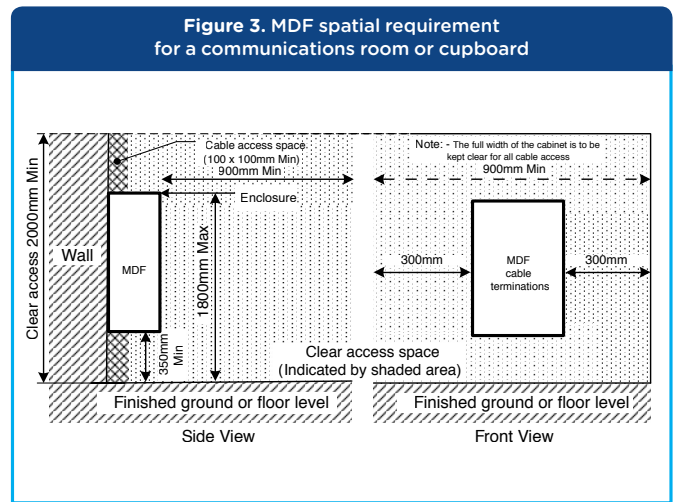


Figure 3: Represents the access clearances in front and around the MDF.

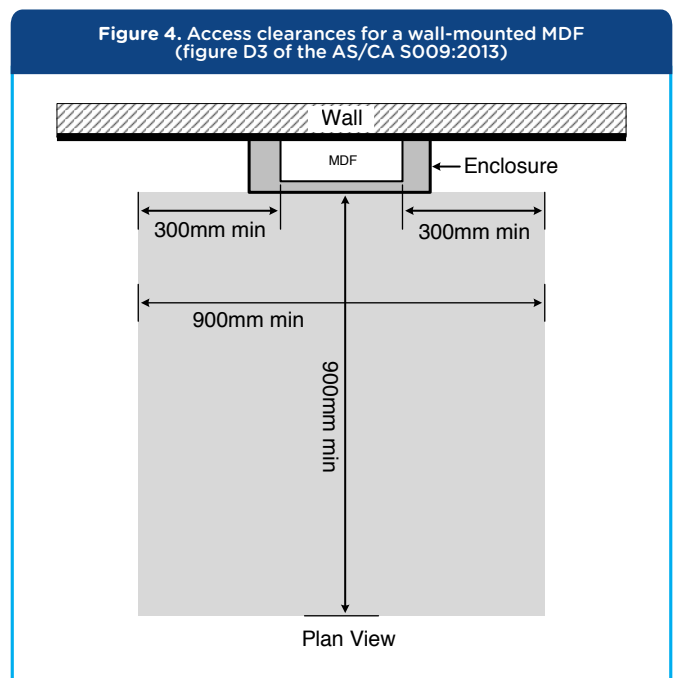


Figure 4: Represents the Plan view of the Access clearances around the MDF.