

WBA4 TC-4 Bundles Discount Roadmap



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Version	Description	Effective Date
1.0	First issued version of the WBA4 TC-4 Bundles Discount Roadmap	1 December 2020
2.0	Second issued version of the WBA4 TC-4 Bundles Discount Roadmap	1 May 2021

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WBA4 TC-4 Bundles Discount Roadmap

1. Effective Charge and CVC Inclusion for Entry Level AVC

Table 1 below sets out the maximum effective recurring Charges and the minimum CVC Inclusion capacity that will apply for each Entry Level AVC.

	1 May 2021 to 30 April 2022		1 May 2022 to 30 April 2023	
TC-4 Bundles Discount ¹	Effective Charge	CVC Inclusion (Mbps)	Effective Charge	CVC Inclusion (Mbps)
ELB with usage below 0.15Mbps	\$22.50	0.15	\$22.50	0.15
ELB with usage above 0.15Mbps ²	\$22.50 ³	0.15	\$22.50	0.15

Table 1 Effective charges and CVC inclusions for the period from 1 May 2021 to 30 April 2023

2. Effective Charges and CVC Inclusions for other bandwidth profiles

Table 2 below sets out the maximum effective recurring Charges and the minimum CVC Inclusion capacity that will apply for each set of Bundled Components, other than the Entry Level Bundle Elements.

	1 May 2021 to 30 April 2022		1 May 2022 to 30 April 2023	
TC-4 Bundles Discount ¹	Effective Charge	CVC Inclusion (Mbps)	Effective Charge	CVC Inclusion (Mbps)
B12 on fixed wireless	\$45	2	\$45	2
B25 ⁴ on fixed-line and fixed wireless	\$37	1.50	\$37	1.60
B50 ⁵	\$45	2.50	\$45	2.65
Wireless Plus	\$45	2.50	\$45	2.65

¹ The TC-4 Bundles Discount is subject to certain limitations and restrictions as set out in the Wholesale Broadband Agreement. References to “speeds” and “bandwidth profiles” in this document are not to speeds achievable by end users, but to the wholesale layer 2 peak information rate provided to the RSP (or the potential maximum Information Rate in the case of Wireless Plus). The end user experience, including speeds actually achieved over the **nbn**[™] network, depend on the configuration over which services are delivered to a premises, whether the end user is using the service during the busy period, and some factors outside **nbn**'s control (like equipment quality, software, chosen broadband plan or how a service provider designs its network).

² The effective charges in this row rely on the RSP drawing on pooled CVC inclusions from other Bundled AVC TC-4s to cater for all usage of CVC capacity by Entry Level AVCs above the 150Kbps CVC inclusion.

³ The effective charge shown here, and in the equivalent column on this row for the period of 1 May 2022 to 30 April 2023, includes an ELB Additional Amount of \$0.00 for each Entry Level AVC, which applies if average peak use of Entry Level AVCs on a CVC exceeds the 0.15 Mbps ELB CVC Inclusion across a Billing Period. Before the period covered by this Roadmap, in particular from WBA4 Start Date to 30 April 2021, an ELB Additional Amount of \$2.20 applied for each Entry Level AVC if average peak use of Entry Level AVCs on a CVC exceeded the 0.15 Mbps ELB CVC Inclusion across a Billing Period. If 30 April 2021 and 1 May 2021 fall within the same Billing Period, the ELB Additional Amount payable will be applied as relevant on a pro-rata daily basis across that Billing Period.

⁴ B25 includes the 25/5Mbps, 25/5-10Mbps and 25/10Mbps AVC TC-4 bandwidth profiles.

⁵ B50 includes the 25-50/5-20Mbps and 50/20Mbps AVC TC-4 bandwidth profiles.

	1 May 2021 to 30 April 2022		1 May 2022 to 30 April 2023	
Home Fast (100/20) ⁶	\$58	4.25	\$58	4.50
B100/40 ⁷	\$65	4.25	\$65	4.50
Home Superfast (250/25)	\$68	5.25	\$68	5.75
B250/100	\$100	3.50	\$100	5.75
B500/200	\$130	3.50	\$160	6.25
Home Ultrafast (up to ~1000/50) ⁸	\$80	6.25	\$80	7.00
B1000/400 ⁹	\$180	3.25	\$230	7.00

Table 2 Effective charges and CVC inclusions for the period from 1 May 2021 to 30 April 2023

3. Overage Amount

Table 3 below sets out the maximum Overage Amount that will apply in respect of CVC TC-4 bandwidth capacity.

	1 May 2021 to 30 April 2023
Overage Amount (per Mbps)	\$8.00

Table 3 Overage Amount for the period from 1 May 2021 to 30 April 2023

4. Background and changes to this TC-4 Bundles Discount Roadmap

This TC-4 Bundles Discount Roadmap (**Roadmap**) is provided by **nbn** under the fourth version of the Wholesale Broadband Agreement (**WBA**) to Retail Service Providers (**RSPs**) that have entered into the WBA. The TC-4 Bundles Discount applies to the **nbn**TM Ethernet Product and comprises a set of discounts on wholesale charges made available to RSPs under the WBA when they order and associate product components of **nbn**TM Ethernet, the AVC and CVC, with one another.

⁶ Home Fast includes the 25-100/5-20, 50-100/20 and 100/20Mbps AVC TC-4 bandwidth profiles.

⁷ B100/40 includes the 25-100/5-40, 50-100/20-40 and 100/40Mbps AVC TC-4 bandwidth profiles.

⁸ Regardless of the retail service that end users purchase, the Layer 2 wholesale peak information rate for this AVC TC-4 bandwidth profile (500 to ~1000Mbps) may fall anywhere in that range (500 to ~1000Mbps) and will be limited to, depending on the Frame Size, up to a maximum of 990Mbps (at 2,000 Byte Frame Size) due to inherent limitations of **nbn**TM Ethernet in relation to service frame overhead. For the Home Ultrafast bandwidth profile for **nbn**TM Ethernet (HFC), the Layer 2 wholesale downstream service will be configured at the Layer 2 network management to a Maximum Sustained Information Rate of 750Mbps with the potential to burst up to a maximum of 990Mbps (depending on but not limited to, the Frame Size and line speed capability as described above) at potential burst durations between 1 to 50 seconds at least once a day. See sections 2.2.2.1 and 2.2.2.5 of the **nbn**TM Ethernet Product Technical Specification.

⁹ Regardless of the retail service that end users purchase, the actual Layer 2 wholesale peak information rate for this AVC TC-4 bandwidth profile will be limited to, depending on the Frame Size, up to a maximum of 990Mbps (at 2,000 Byte Frame Size) due to inherent limitations of **nbn**TM Ethernet in relation to service frame overhead.

nbn may update this Roadmap if **nbn** introduces or removes a bandwidth profile in accordance with the WBA, or to make changes that do not increase the maximum effective recurring Charges or Overage Amounts, or decrease the minimum CVC Inclusions, set out in this Roadmap.

nbn will issue a new TC-4 Bundles Discount Roadmap to RSPs on or before 30 April 2022 in accordance with the WBA. When **nbn** issues a new roadmap, the WBA states that the new roadmap must not increase the maximum effective recurring Charges or Overage Amounts, or decrease minimum CVC Inclusions, for any period covered by this Roadmap.

There are only limited exceptions to the above which are set out in the WBA and allow **nbn** to change or withdraw the TC-4 Bundles Discount Roadmap:

- to comply with any applicable law or to comply with, or where required by, a Regulatory Event;
- in response to the acceptance or variation of an SAU relating to AVC pricing, CVC pricing, or both;
- to comply with **nbn**'s Non-Discrimination Obligations, or in connection with a Tax Change Event; or
- with the agreement of the RSP.

Capitalised terms used but not defined in this TC-4 Bundles Discount Roadmap have the meaning given in the WBA. Nothing in this Roadmap affects or limits **nbn**'s rights under the WBA.