NØRTEL
NETWORKS™

AccessNode
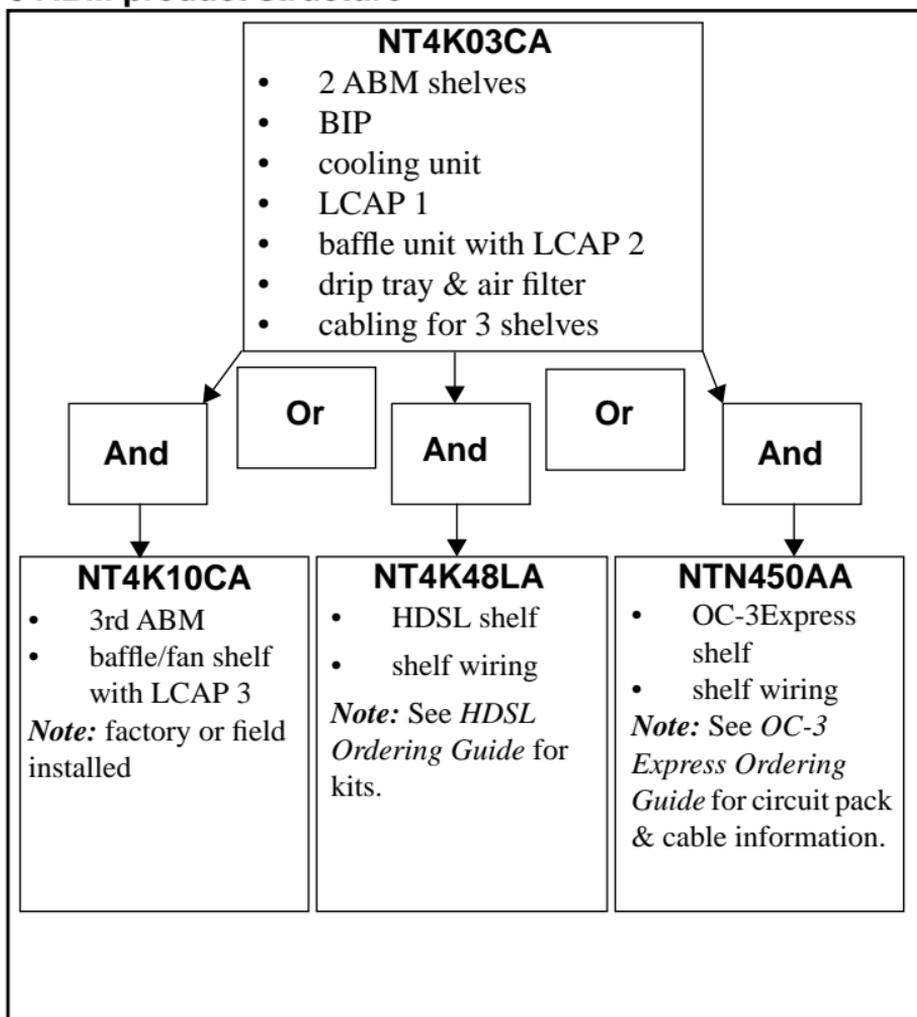# Multiple ABMs in a
Bay (NT4K03CA)

Quick Reference Card

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The multiple ABMs in a bay configuration integrates up to 3 access
bandwidth manager (ABM) shelves into a single 7-foot bay frame.
The NT4K03CA product engineering code consists of 2 ABM
shelves, cooling unit, local craft access panel (LCAP), cooling unit
containing a second LCAP, and cabling for up to 3 ABMs. The
system is powered by a single breaker interface panel (BIP). As an
option you can specify a third ABM (NT4K10CA), or an HDSL
(NT4K48LA), or an OC-3 Express (NTN450AA). See Figure 1 for
a breakdown of components supplied with each option.

Figure 1
3 ABM product structure

Note: The 3 ABMs product alignment meets all applicable FCC, UL
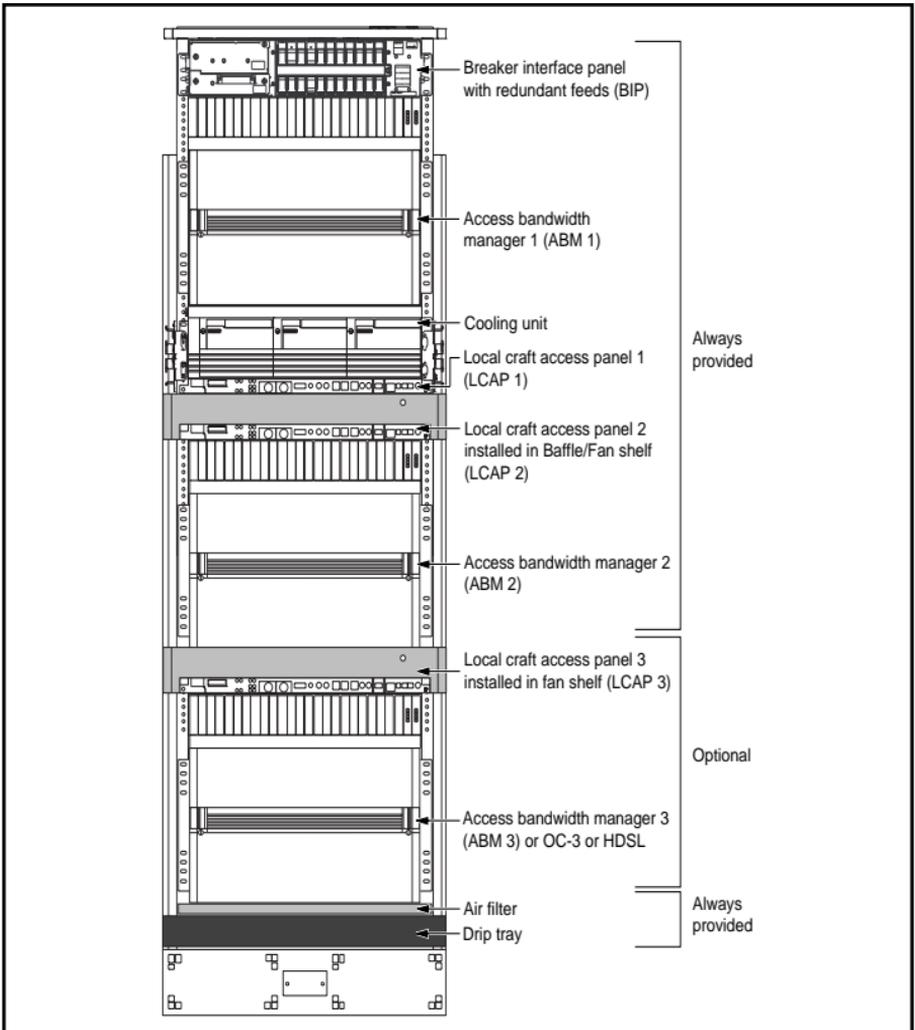and Bellcore requirements.

Ordering information

PEC	Description
NT4K03CA	2 ABMs in a bay wired for 3 shelves with necessary operating components
NT4K10CA	addition of 3rd ABM with necessary operating components to existing NT4K03CA
NT4K48LA	HDSL shelf kit. Refer to *HDSL Ordering Guide* for components to wire to the existing NT4K03CA
NTN450AA	OC-3 shelf kit. Refer to *OC-3 Ordering Guide* for components to wire to the existing NT4K03CA

Component description and location

Figure 2 shows the location of each component for all three configurations. The following list describes each equipment shelf beginning at the top of the bay:

- breaker interface panel (BIP) NT4K14BA supplying 48 V dc power to the shelves (with redundant feeds)
- ABM 1 NT4K10AB
- cooling unit NT4K18CA
- LCAP 1 NT4K16AA
- baffle unit with LCAP #2 NT4K17DA
- ABM 2
- baffle/fan unit with LCAP #3 NT4K17CA
- ABM 3 (optional NT4K10AB) or HDSL (optional) or OC-3 (optional)
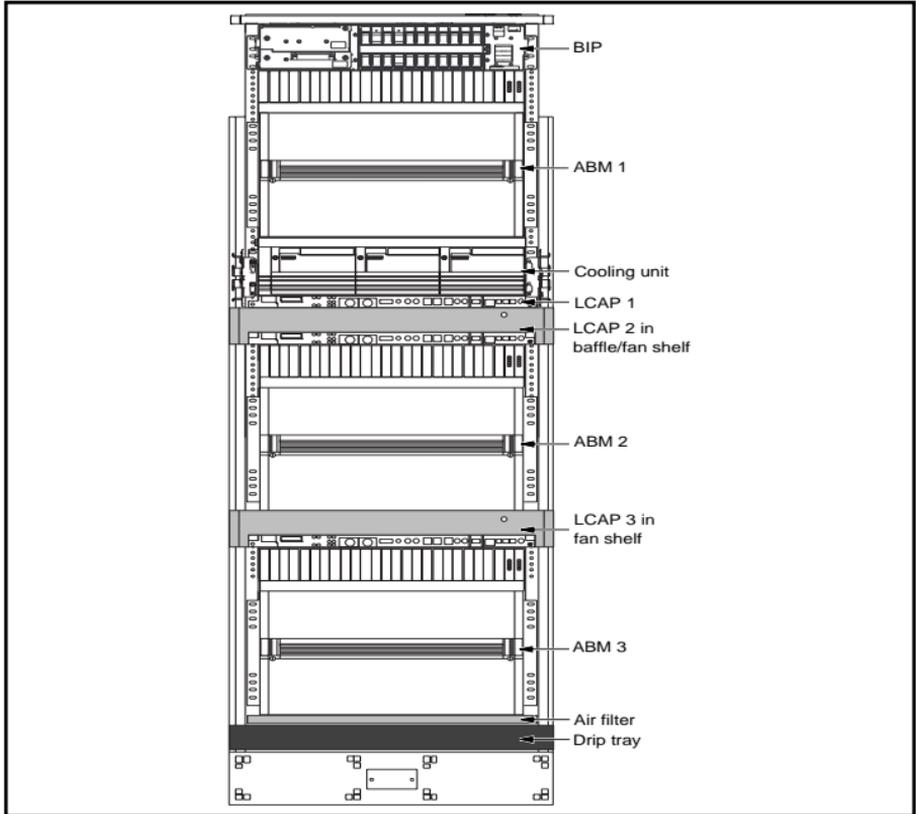- air filter and drip tray

Figure 2
All 3 available configurations

3 ABMs in a bay

Figure 3 shows the components for the 2 ABMs (NT4K03CA) and the optional 3rd ABM (NT4K10CA).
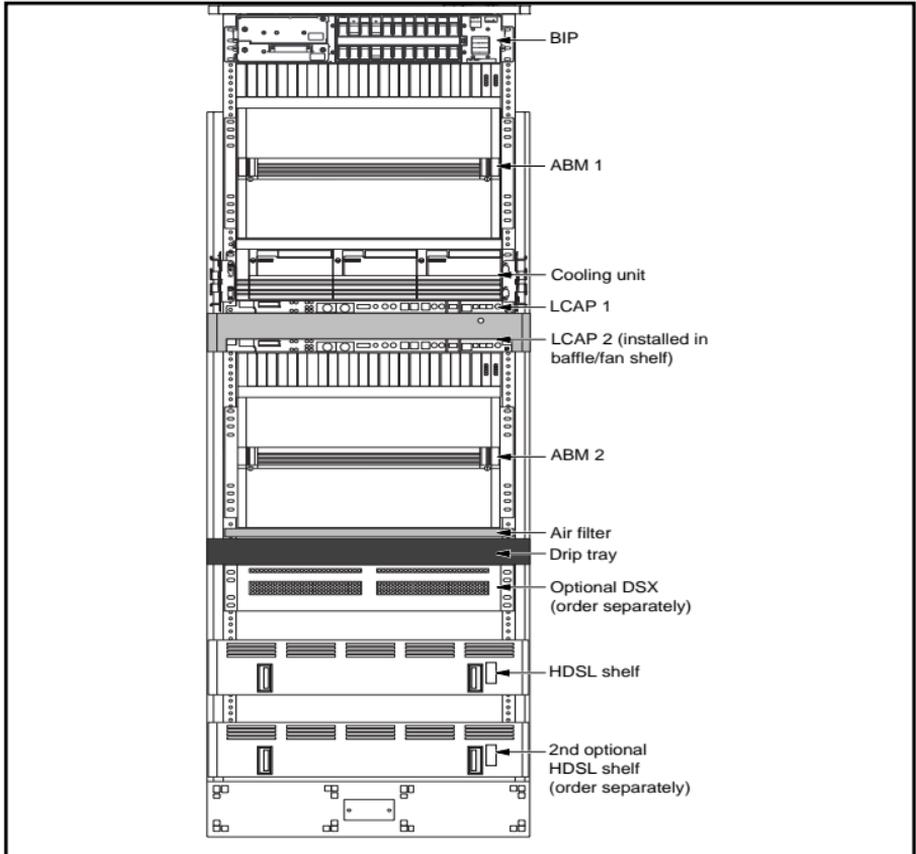
Figure 3
3 ABMs in a bay configuration

2 ABMs and HDSL in a bay

Figure 4 shows the components for the 2 ABMs (NT4K03CA) and the optional HDSL (NT4K48LA).

Figure 4
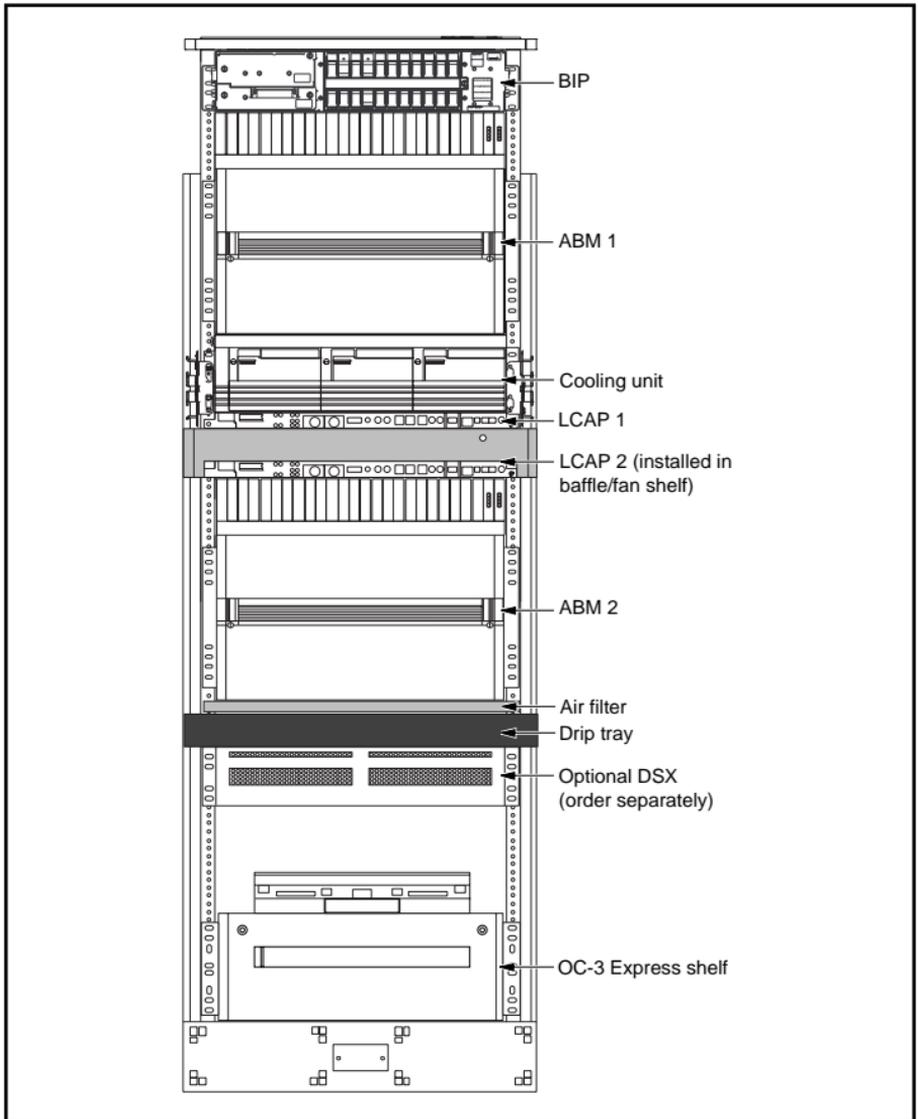**2 ABMs and HDSL in a bay configuration**

Note: The HDSL is a field-installable option. Contact account representative if factory installation is desired.

2 ABMs and OC-3 in a bay

Figure 5 shows the components for the 2 ABMs (NT4K03CA) and the OC-3 (NTN450AA) configuration.

Figure 5
2 ABMs & an OC-3 in a bay configuration

Note: The OC-3 Express is a field-installable option. Contact account representative if factory installation is desired.

Commissioning Note for all Configurations:

Each ABM acts as an individual HDT with only parallel telemetry alarms being common to each.