

There are four levels of VDSL modem vectoring capability:

Full vector-capable CPE: VDSL modems that fully comply with G.993.5 standards. This type of CPE allows full vectoring gain in both upstream and downstream directions.

Full Vector-friendly CPE: VDSL modems that comply with G.993.2 Annex Y standards. While these types of modems receive little benefit from vectoring, they do allow a reduction in crosstalk in upstream and downstream direction. This enables full vectoring capable lines to benefit from noise reduction in both downstream and upstream direction.

Downstream vector-friendly CPE: VDSL modems that comply with G.993.2 Annex X standards. While these types of modems receive little benefit from vectoring, they do allow a reduction in crosstalk in downstream direction only. This enables full vectoring capable lines to benefit from noise reduction, but only in downstream direction.

Legacy VDSL2 CPE: VDSL modems that do not support G.993.5, G.993.2 Annex Y or Annex X standards. While these legacy CPE lines will not benefit from any vectoring gain, nor do they allow a reduction in electrical noise. Service Providers will still benefit from their customers with full-vector capable lines gaining some downstream vectoring gains on vectored lines. By implementing zero-touch vectoring Chorus ensures the lines with legacy modems are unaffected by implementation of vectoring.