

- > increases serviceable reach by 10-15% on long loops
- > works with all deployed ADSL1-compliant premises equipment
- > no hardware change required
- > upgrades installed base of AC5, AC6 and AC7-based systems

## Overview

*xpanDSL is a software-based performance enhancement that allows DSL service providers to expand their network's reach and improve data transfer rate. The technology is implemented in TI central office equipment through a simple software upgrade, and optimizes the power spectral density mask of DMT tones on long loops for magnified long-range reach ranging from 150 to 300 meters.*

*xpanDSL is spectrally compatible, port-to-port selectable, and requires no hardware changes or CPE software upgrade, meaning that service providers can quickly extend their serviceable reach to subscribers who otherwise may not qualify for DSL service.*

*Not to be confused with READSL (G.992.3 ADSL2-Annex L), xpanDSL targets operators' large installed base of ADSL1-based systems which need increased serviceable reach. Spectrally compliant to ANSI T1.417, xpanDSL can be deployed with any TI-based central office equipment to improve service delivery.*

*With its broad interoperability performance, xpanDSL achieves significant performance improvements on all ADSL1-compliant modems (see figure 1), and provides the best performance on TI-to-TI deployments (ACx to AR7).*

