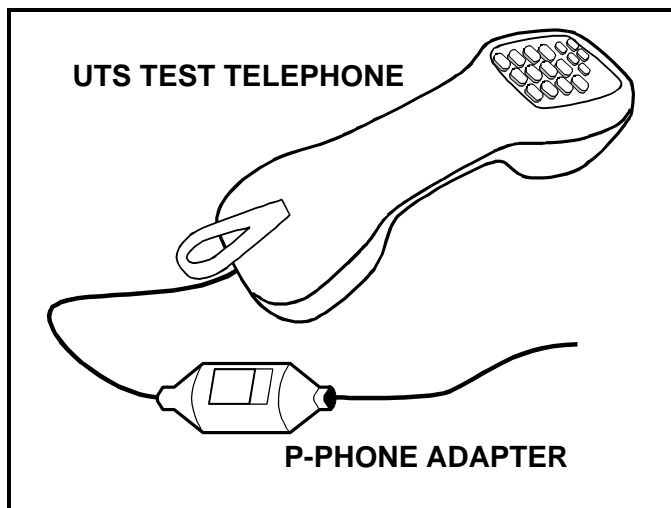


## Operating a P-phone adapter-equipped Test Telephone

When equipped with the P-phone adapter a Chesilvale UTS test telephone can be used either on POTS or Meridian centrex lines. The movement of a slide switch on the adapter is all that is needed to switch between the two types.



**A UTS test telephone equipped with a P-phone adapter can test both POTS and Meridian centrex lines.**

number (0-9). For example, the sequence **\*0** causes the call to be identified as primary station, while **\*4** results in identification as station 4.

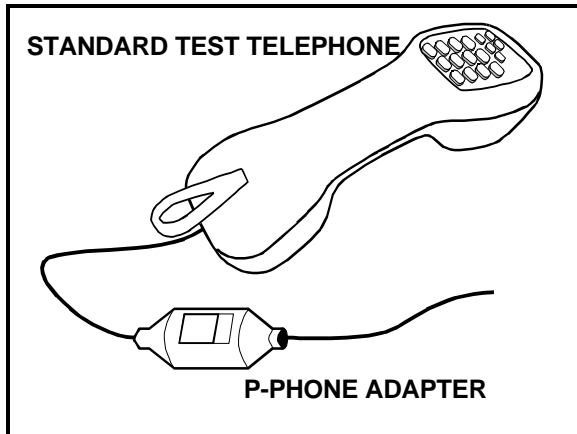
It should be noted that the P-Phone signaling of the adapter is 'send' only and that it won't respond to incoming events like test queries from the serving switch. Nortel Meridian Digital Centrex (MDC) P-Phone service is provided from DMS10/100 central office switches, and is normally used with Nortel's subscriber electronic business sets (EBS).

In the P-phone mode the adapter draws loop current from the C.O. constantly – loop current doesn't control the hook status as it does in POTS. When TALK is selected on the UTS with the adapter in P-phone mode, the adapter provides signals to the C.O. drawing dial tone. Any dialed numbers are then sent to the C.O. in digital form unless a **#** is pressed to disable conversion. Disabling conversion is important in operating remote DTMF sensitive systems like voicemail and automated attendants.

When TALK is selected on the UTS the adapter waits 1.5 seconds, then accesses dial tone as a primary station. The user can control the station ID by pressing the **\*** key before dial tone appears, followed by the station

## What kind of line or phone will a P-Phone adapter work with?

When equipped with a P-Phone adapter, a test telephone can be used either on plain old telephone (POTS) or Nortel *Meridian Digital Centrex (MDC)* lines. Employing what is generally known as Nortel Proprietary Phone or “P-Phone” technology, MDC uses 8 kb/s in-band data link technology for line control. Movement of a slide switch on the adapter is all that is needed to switch the set between operation with POTS or P-Phone line types.



**A standard test telephone equipped with a P-Phone adapter can test both POTS and Meridian centrex lines.**

### ABOUT CENTREX

Offering PBX-like features, central office-based “centrex” services have long been popular with larger organizations and with organizations occupying extended campuses, including government. Nortel (Northern Telecom) centrex services are provided from DMS 10 and DMS100 central office switches, and are generally known as Meridian Digital Centrex, though telcos may also have tradenames for their particular services (e.g., CentraNet). Other switch vendors like Lucent

Technologies support centrex features, but each vendor uses a different kind of approach, so take care to note what switch type is being used. P-Phones are associated with the Nortel DMS family of central office switches, which serve about 70 percent of the world’s centrex lines. The station sets used with P-Phone service are known as Electronic Business Sets (EBS) or Meridian Business Sets (MBS).

### COMPATIBLE LINES & PHONES

P-Phone Service Compatible Telephone Stations (DMS10® and DMS100® switches)	Example <i>non-P-Phone compatible</i> switching systems (not comprehensive).
P-Phone Electronic Business Set (EBS) Meridian Business Set (MBS, MBS II)	AT&T 5ESS Central Office Siemens DCO, EWSD AT&T Definity PBX Nortel Meridian 1 PBX Nortel Norstar

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