Case study #	2.7
Title	Lightning damage to a telephone
Type of trouble	Damage.
Source of trouble	Lightning.
System affected	Customer equipment.
Location	Customer premises.
Keywords	Damage, lightning surge, inherent resistibility, GDT
Version date	2004-01-01

System configuration

The problem equipment is a telephone powered from the telecommunication line, in a customer premises. An integrated circuit (IC) in the phone was being physically damaged (impulse type damage). It was assumed that lightning was causing this damage and loss of function. Of the 50 customer premises investigated, half had primary protection and the other half did not. Most customers remembered a very close lightning strike.

