

## **II.6 Other data transmission services (ODTS)**

This chapter contains the state of the remaining ODTS by the end of 2005, and their evolution during that year.

### **II.6.1 Main items of ODTS's evolution in 2005**

- The services provided using frame relay protocols had a positive growth in 2005, following the trend registered in the previous years. However, this type of access registered a decrease in its growth rate.
- A 7 per cent increase was registered in the number of installed dedicated accesses using other package data transmission services. However, there is a decrease in switched accesses. This trend has been registered since 2001 and may be partly due to the migration to frame relay-type accesses and to dedicated accesses.

### **II.6.2 ODTS' offer**

The services provided and their evolution during the year 2005 are described in more detail below, as well as the entities providing these services in Portugal.

#### **II.6.2.1 Service's description**

This chapter approaches the data transmission services (DTS) based on other protocols besides IP, and the package data transmission services are the main focus of the analysis, given their importance.

The following data is divided into two groups: the services provided using the frame relay protocol and the services provided using other types of protocols (here designated as "other package data transmission services").

Below are the entities offering these services, main offers, and this service's evolution during the year 2005.

### II.6.2.2 ODTS providers

At the end of 2005 there were 18 active entities authorized to provide ODTS.

**Table 84 – ODTS providers in 2005**

AT&T – Serviços de Telecomunicações, Sociedade Unipessoal, Lda.
Azertia – Tecnologias de Informação Portugal, S.A.
AR Telecom – Acessos e Redes de Telecomunicações, S.A.
Bloomberg L.P.
Clixgest – Internet e Conteúdos, S.A.
Equant Portugal, S.A.
Hari-técnica – Comércio e Indústria de Artigos Eléctricos e Electrónicos, Lda.
KPN Eurorings B.V.
NFSI Telecom, Lda.
Novis Telecom, S.A.
Onitelecom – Infocomunicações, S.A.
PT Prime – Soluções Empresariais de Telecomunicações e Sistemas, S.A.
Radianz Portugal – Sociedade Unipessoal, Lda.
Refer Telecom – Serviços de Telecomunicações, S.A.
Reuters Europe, S.A. – Sucursal em Portugal
Robot – Telecomunicações, Projectos e Serviços, Lda.
MCI International (Portugal) Telecomunicações, Lda.
Tele Larm Portugal - Transmissão de Sinais, Lda.

Source: ICP-ANACOM

Of these 18 companies, 16 provide ODTS by packages, while seven also provided services using frame relay. Larm Portugal – Transmissão de Sinais, Lda. provided services using another type of protocol for data transmission.

### II.6.3 Evolution of the ODTS in 2005

The services provided using frame relay protocols had a positive growth in 2005, following the trend registered in the previous years. However, this type of access registered a decrease in its growth rate.

**Table 85 – Frame relay accesses**

	2000	2001	2002	2003	2004	2005
Number of accesses	9,460	13,916	15,318	16,683	19,494	19,811

Source: ICP-ANACOM

On the other hand, during the last year there was a 7 per cent growth in the number of the ODTS's installed dedicated accesses. However, there is a fall in the switched accesses. This trend has been recorded since 2001 and may be partly due to the migration to frame relay-type accesses and to dedicated accesses.

**Table 86 – ODTS's package accesses**

	2000	2001	2002	2003	2004	2005
Dedicated accesses	17,877	21,342	21,041	20,412	20,033	21,379
Switched accesses	5,086	5,638	4,970	4,560	4,537	4515

Source: ICP-ANACOM

In 2004<sup>87</sup>, there was an increase in these services' revenues, namely resulting from the increase in the number of frame relay accesses.

**Table 87 – OSTD revenues**

	2000	2001	2002	2003	2004
Revenues	140,721	158,242	179,677	175,116	212 295
Growth rate	20.2%	12.5%	13.5%	-2.5%	21.2%

Source: ICP-ANACOM.

Unit: Thousand euros, %.