

## Equipment for emergency service telecommunication Disaster Recovery Management Deutsche Telekom

The Deutsche Telekom emergency service telecommunication sector requires numerous mobile units for their services. These units are designed as short-term mobile networks to expand existing systems. Large-scale events such as Formula One racing in Hockenheim, government events or state visits, natural catastrophes, etc. can be transmitted live with these units.



For this purpose, Deutsche Telekom uses containers that include permanently installed equipment or containers with infrastructure only when the technology required for transmission is installed as necessary. The cases in which the necessary modules are transported can also be installed within buildings to extend existing transmission systems.

The cases, the infrastructure containers (light, air-conditioning, 230/400 V and 60 V power supply) and the containers with non-withdrawable installations are produced by FEAG.

### Container

The 60 V power supplies are buffered by batteries.

Alarm systems monitor the locked status of the container when operational. The alarm system signals and operating status data from all installed technology is transmitted to the control centres via telecontrol lines.

Cable inlet glands for power supplies to the various modules are located at various positions in the container, particularly for the:

- Emergency operation points with manual switching
- Digital adapters for the emergency operation centre
- Connection multiplexer
- Television feeder
- Digital networks
- Distributor for the digital networks



Everything required for the connection of the power supply and the cables and wires for connection to the existing telephone network of the Telekom are already installed in the container.

Container dimensions: 4m x 2.5m x 2.5m

### Cases for equipment

The cases hold the equipment used in the Telekom buildings or containers during transport. Each system includes a connection case and the corresponding connection cables.

Three case types in particular are built by FEAG.



TDSL case (ONU and POSU)



TDSL case



HDSL case

The cases can be equipped with the following modules:

TDSL technology	A34300-E0005-A1
HDSL technology	A34300-E0007-A1
Connection multiplexer	A34300-E0004-A1
UniMux technology	A34300-E0010-A1
FlexMux technology	S42023-P339-A1
PCM systems	
Battery case	S42023-P358-A1

Case dimensions: from 600mm x 300mm x 250mm  
to 700mm x 700mm x 1300mm

Case weight: from 30kg to 80kg