

A-Core Container

Rescue Emergency Communication Command Base Station



Overview

The current emergency communication command mainly relies on communication infrastructure and is supplemented by emergency communication vehicles as well as the use of satellite networks.

What is space-air-ground Emergency Rescue Command?

Subsequently, a space-air-ground emergency rescue command theoretical system is introduced by combining broadband emergency communication, accurate acquisition of real-time disaster information, disaster situation and scenario projection, emergency communication command services, and resilient emergency rescue command.

How do emergency command vehicles communicate after a disaster?

After a disaster, the emergency command vehicle arrives at the disaster site, and realizes data communication and relay communication with the rear emergency command center through satellite communication, ground fixed cable communication, and ground mobile communication networks.

What is the communication distance for emergency rescue services?

The characteristics, topology structure, and application method of the case are introduced in detail, and the system was tested in the field. The test results show that the communication distance of the system is 15~20 km, which ensures communication for the visual dispatch of emergency rescue services.

What is the current emergency communication command?

The current emergency communication command mainly relies on communication infrastructure and is supplemented by emergency communication vehicles as well as the use of satellite networks, shortwave networks and trunking communication networks to provide the same communication services.

What networks are used in emergency rescue?

Then, we explore and analyze the networks currently applied in emergency rescue, such as the 370M narrowband private network, broadband cluster network, and 5G constellation plan. We propose a broadband-narrowband integrated emergency communication network to provide an effective solution for visual dispatch of emergency rescue services.

Which emergency communication system should be used at a disaster site?

The emergency network at the disaster site can be deployed by emergency communication vehicles; however, in the case of complex terrain environments, such as earthquakes and floods, satellite communication system is a better choice.

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