

Kongres Container

Airborne emergency communication command base station



Overview

The Far East Communications 370MHz PDT cluster airborne base station (hereinafter referred to as "PDT airborne base station") mounted on the Wing Loong drone provided dedicated network communication services, enabling intercommunication between rescue personnel on-site and between the site and higher-level emergency departments. 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 is a space-air-ground emergency communication system?

The article adopted a "space-air-ground" integrated emergency communication system solution based on low orbit satellite and Beidou satellite technology, analyzed the overall architecture and key technologies of the system, and elaborated on the system composition, working principle, and application effect in detail.

What is integrated space-air-ground emergency communication command?

The integrated space-air-ground emergency communication command is designed to use advanced satellite communication technology, aerial unmanned platform communication technology, ground-based self-assembling network technology and public network technology, etc.

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.

Why are conventional communication facilities unable to respond to emergencies?

Damage to electrical installations, disruptions to public networks and damage to roads also make conventional communication facilities unable to meet the demanding needs of emergency response.

Can mobile communication technology improve emergency rescue innovation?

Furthermore, mobile communication technology can provide effective information transmission for emergency rescue (Berlyand et al., 2018; Cova, 2005). With these key technologies and theories, many countries have continued to strengthen emergency rescue innovation.

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