

# System Construction at Record Speed

CMCC (Guangdong) witnesses its RBT system, the world's largest, established in 38 days



## Customer Objective

- To set up a quality RBT system
- Rapid service launch

## Huawei Solutions & Strengths

- Large capacity RBT system
- A wide range of service functions
- Fast project delivery capability

## Benefits

- Set up the world's largest RBT system and provide high-quality RBT service to 40 million users
- Rolled out a new system in 38 days

Guangdong Mobile is a subsidiary of China Mobile located in Guangdong, a province of the highest communication consumption capability, taking up one fifth of the total revenue of China Mobile. Guangdong Mobile runs in a standard way, accepts new services rapidly, and places strict requirements for equipments and services.

## Customer was in urgent need of a large capacity RBT system

Even after expanded in phase 3, the RBT system of Guangdong Mobile was proven to have too small a capacity and insufficient function, and to give slow response to the new service requirements, thus adversely affecting further development of the RBT service.

Guangdong Mobile finally decided to build a new RBT system with as large a capacity as to support 40 million users and a wide range of service functions to replace the original system. Due to the fast development of the market, a new system was urgently needed, which must be built in as short a period as possible. In addition, the original system has served tens of thousands of RBT users, so service transition should be smooth in switchover between the new and old systems without affecting the existing RBT users. Keen competition in the RBT



market required continuous efforts in developing new services, and the new equipment vender should rapidly respond to new requirements.

### Huawei handed in a satisfactory answer sheet to Guangdong Mobile within 38 days

Through a stringent selection process, Guangdong Mobile chose Huawei to build the new RBT system. By virtue of its excellent products and powerful delivery capability, Huawei completed the building of a high quality RBT system of the largest scale in the world that can provide a wide range of function within 38 days.

Firstly, after understanding the customer requirements, Huawei established a powerful project delivery team led by a full-time PMP-certified PM. It also organized and established a service requirement analysis & development project team, a database project team, a network & security project team, a storage & backup system expert



team and other supporting teams to work on the site to develop a detailed implementation plan.

Secondly, to complete the project in one third of the period for general projects, Huawei broke the engineering plan down in such details as to make out the actions in each hour and the work done by each person involved. The work on all service nodes was carried out simultaneously, uninterruptedly round the clock, so that they could be completed within 20 days.

On the other hand, Huawei took actions to guarantee quality of the work. It set up a joint inspection team to inspect each office routinely to guarantee quality. It arranged pressure test for major offices and used maximum values in the traffic model to test the impact resilience capability of equipment. It also adopted a step-by-step cutover scheme to reduce the cutover risk.

### **Huawei helped Guangdong Mobile become the RBT market leader**

The new RBT system was put to use on schedule and satisfied the urgent needs of Guangdong Mobile. It helps Guangdong Mobile attract more users and offer better service rapidly as required in advance of its competitors. In this sense, the system well supports the RBT service development of Guangdong Mobile.

Since the new RBT system went live, the RBT service of Guangdong Mobile has developed rapidly and produced huge revenue, thus making Guangdong Mobile the RBT market leader.

#### **Milestones**

- April 20~April 24: Huawei prepared in advance so that equipment could arrive at the site on schedule.
- April 23~May 5: Huawei completed system debugging, service debugging and on-line debugging in a short time.
- May 6~May 16: Guangdong Mobile tested the system and services in details, and deemed that the system met its requirements and could go-live.
- May 17~May 28: Huawei interconnected its equipment with the original one, and completed cutover for the management node, and two end offices.

