

Raytheon's ACU-1000 helps facilitate mobile disaster response in Konya, Turkey

The government of Konya's 112 Emergency Medical Services has improved its emergency communications by installing Raytheon's ACU-1000 in its new communications, command and control vehicle.

Now, 112 Emergency Medical Services can extend their service onto a mobile platform allowing them to easily interoperate with incoming agencies during any crises or natural disasters.

Konya is located just south of Turkey's capital city, Ankara.

The government of Konya's 112 Emergency Medical Services is responsible for organizing and providing emergency medical services to Konya citizens. They work with the city's disaster management center to plan for natural disasters.

In years past, 112 has operated on different radios, UHF and HF/SSB for example, but when other public safety agencies arrived on scene during an emergency, they were experiencing problems communicating with their differing systems.

Because of this, their response time was significantly affected and they were looking for an interoperable solution to allow them to easily communicate with other incoming agencies.

112 contacted Mesan, Inc. who is the sales representative for Raytheon in Turkey. Mesan worked to prepare two concepts in order to solve their problem – the first was to build a communication, command and control vehicle and the second was to establish a fixed

interoperable solution at their dispatch center.

Based on 112's specific needs, Mesan recommended the ACU-1000 for both concepts.

Since this is a mobile platform, all of the electronics, including the ACU-1000 are rack mounted to protect against vibration.



112 Emergency Medical Services' communications, command and control vehicle equipped with an ACU-1000

The ACU-1000 provides interoperability to VHF, UHF, HF/SSB radios including one multi band radio, GSM, satellite phone, PSTN and local phones.

"112 Emergency Medical Services chose the ACU-1000 because of its flexibility and previous references in Turkey," said Tugrul Kaleli, a board member of Mesan. "The ACU-1000 simultaneously cross connects the different radio networks and telephone services that 112 uses."

All incoming public safety agencies can now be connected to the ACU-1000 during crises and natural disasters, including the police, fire departments, gendarmerie, and the city's disaster management center.

"The first concept incorporating the ACU-1000 has been beyond the customers expectations," said Kaleli. "Now, they can connect to any communication infrastructure through the ACU-1000 and mobile vehicle platform. Even when they use a Codan HF/SSB radio in the vehicle, there is no interference. The performance has been outstanding."

"The first phase of the project was the vehicle, next we'll be doing the fixed installation," adds Kaleli.

The vehicle was delivered in December 2007 and has been in use since the beginning of January.

The second phase of the project is scheduled to be completed in 2008.

About Mesan:

MESAN was formed in 1991 as the representative and consultant company in the field of electronics in Turkey. Since then, MESAN has been providing equipment to the Turkish Armed Forces, the Gendarmerie, the Police, and other governmental agencies in Turkey. For more information on MESAN, please visit www.mesanas.com.tr.

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