

CET Technologies launches Eureka 147 DABOne Conditional Access System

Singapore, May 2000 – CET Technologies Pte Ltd (CET), a wholly owned subsidiary of Singapore Technologies Electronics (ST Elect) announces the release of its commercially available, and probably the world's first, proprietary Conditional Access (CA) system for Digital Audio Broadcasting (DAB) based on the ETSI Eureka 147 standard. With CET's Eureka 147 DABOne CA system, content providers can now offer subscription-based multimedia services to their targeted market segment via broadcasting.

DAB is the latest digital technology in the radio industry and has been labeled the "sound of the future". Singapore is the first Asian country to offer DAB broadcast with one key broadcaster here offering six DAB program channels to-date. DAB offers many advantages over existing Frequency Modulation (FM) radios.

- DAB receivers are capable of producing crystal-clear sounds comparable to CD-quality.
- DAB receivers are designed for use in moving vehicles, and platforms.
- DAB is designed for multimedia transmission such that graphic pictures, textual, digital audio signals and even moving video information.

CET has been involved in DAB research and development since early 1999. CET now markets a full feature DAB receiver (since November 1999) and is now able to offer a complete CA solution to content providers who are keen to offer subscription-based programs.

The goal of CET is to deliver cost effective and customised solutions based on our Eureka 147 DABOne CA System. The DABOne CA System will enable content providers to offer pay audio, data and even moving video services to targeted market segments via Terrestrial DAB system.

Mr Ng Chong Khim, General Manager of CET Technologies feels that, "This is an exciting new format that will allow content providers to broadcast better quality sound and programmes to their audience and with CET's DABOne, content providers are able to handle subscription-based services. Currently, CET is in the process of delivering the DABOne CA System to a local cable content program provider, who plans to offer their two subscription based Audio programs via DAB in the near future."

DABOne CA System

CET's DABOne CA System consists of three basic components, viz; D-CAS module, D-SMS module and the CA enabled DAB Multimedia Receiver module (DMR). The basic system has a wide range of system features for multimedia applications and it is also scalable to permit the evolution of services. The individual modules are:

- D-CAS Module: This is the heart of DABOne CA System, providing the necessary control on the audio and data streams prior to the DAB data multiplexer. This makes the broadcast service incomprehensible to unauthorised users with a conventional DAB receiver, adding to the security of transmissions.
- D-SMS Module: This module enables content providers to grant or deny individual subscribers remote access to their service. It can also serve as a subscriber database management system. Furthermore, it can also monitor the quality of DAB signal received for QOS purpose as well as authenticating the transmitted subscriber's access code via a special DAB receiver.
- DMR-CA Module: This is a complete standalone DAB receiver capable of providing audio and data outputs in both normal and CA-enabled mode operations.

The DABOne CA System is suited for close user group applications, such as:

Mobile Wireless Portal containing intranet website
Stream audio, data and moving video subscription services

CET Technologies Pte Ltd

CET has, over the past two decades, built up extensive experience and skills as the leading System House in the region for Communication and Electronics businesses. We have vertically integrated the processes of design, development, production, system integration, maintenance and system upgrade to be a one-stop solution house for our customers.

Singapore Technologies Electronics Ltd

ST Elect, a company of Singapore Technologies Engineering Ltd, is a leader in delivering innovative solutions to customers worldwide. ST Elect specialises in the design, development and integration of advanced electronic systems, such as communications systems, microwave systems, traffic management systems, real-time systems, training & simulation systems, intelligent building management systems and intelligent rail systems.

Singapore Technologies Engineering

Singapore Technologies Engineering (ST Engg) is the engineering and defence arm of Singapore Technologies, a technology-based multinational conglomerate headquartered in Singapore. Public-listed since December 1997, ST Engg is one of the largest companies by market capitalisation on the Stock Exchange of Singapore.

ST Engg is an integration engineering group specialising in the fields of aerospace, automotive, electronics and marine. A leader in each of its core businesses, the Group provides one-stop services for air, land and sea platforms as well as systems based solutions.
