aa radio
services pty ltd

System Design & Implementation

AA Radio is the largest independent two-way radio communications solutions and support provider in Victoria. Our highly experienced staff have been delivering high quality, high value and dependable technical solutions and support services for over forty (40) years. Whilst the technology building blocks for these solutions has changed over the years, the fundamentals to achieving a successful outcome have not.

With the delivery of any technology solution, following the required steps without shortcut is essential. In our extensive involvement with customer projects, we always seek to follow these disciplines, which of course need to be modified and structured to meet the unique needs of each project.

CAPTURE OF REQUIREMENTS

As a company that is vendor independent, AA Radio has adopted the position that the technology of choice should be decided by the operational and business requirements of the customer, and not by the commercial interests of any particular vendor or supplier. Capturing requirements accurately will inevitably decide the success or failure of the project.

AA Radio can assist in the process of defining these critical requirements and the development of the necessary specifications and documentation that will be required.

SYSTEM DESIGN

Only when the requirements are clearly understood, can a System Design be developed. This includes technical and user requirements that have to be balanced to fit into a realistic budget. This cannot be an isolated process, as often a compromise or relaxing of certain "nice to have" requirements can mean major savings in system and support costs. Close interaction with the customer is required during the System Design Phase.

The design phase also needs to consider the process and methodology to be used to support the system.

It is AA Radio philosophy not to design or implement systems that cannot be accompanied by a viable support strategy.

MANAGEMENT AND IMPLEMENTATION

Sound Project management is essential to the implementation and delivery of a successful system.

AA Radio uses methodologies which are common to most standards-based Project Management disciplines such as the PMBOK, PRINCE2 and SDLC. Not all of these standards can be strictly applied to two-way radio projects, as they have been traditionally created for other industries such as IT, Software Development and Construction. A two-way radio communications project can contain elements from all three of these industries and more.

The fundamentals of planning, scheduling, tracking, reporting, reviewing, correction and documentation however are common to all and used in our approach to management.

INSTALLATION AND HANDOVER

There are many examples of where a well-designed radio system has encountered major problems due to poor installation practices. Something as fundamental as a poorly terminated coax or power lead can lead to intermittent problems that undermine system performance and build negative perceptions on the quality and capability of the system. Installation and Handover documentation and quality assurance checks ensure that all elements to the project are as they should be.

SUPPORT

Proper support ensures that the technology investment made by a customer is maximized and that the system operates to its optimum for its entire life cycle. Whilst electronic equipment is inherently reliable, there still remains a need to maintain all system elements and verify their continued performance.