

## Products: **ATM/AIS Data Acquisition Processing and Transfer**

Raytheon's ADAPT system was officially declared operational by *swisscontrol* at both the Geneva and Zurich Area Control Centers in October 1998.

Swisscontrol has subsequently awarded contracts to Raytheon for the enhancement and maintenance of the ADAPT system. These enhancements included a comprehensive upgrade to the Commercial Off The Shelf (COTS) subsystems for the ADAPT system, as well as increased functionality and system capacity. Raytheon's COTS upgrade passed Factory Acceptance Testing in August 1999, Site Acceptance Testing in October 1999, and began operational use the same month. Upcoming planned *swisscontrol* enhancements include the modernization of the approach sector displays and the use of newer, faster workstations.

The ADAPT system provides the display processing for more than 40 controller positions. The system integrates external interface information, such as weather forecasts, navigation aid status, airport status, runway landing directions, barometric pressure, detailed map data, and the existing Radar and Flight Data Processor information. This gives *swisscontrol*'s controllers an integrated display workstation with quick access to all pertinent information. Each of the controller displays consists of a 28-inch color screen and a 20-inch color screen that allow windows to be moved from one screen to the other. The delivered system also includes a customized software development capability and a training facility comprised of specially developed ADAPT software combined with the Raytheon FIRST simulator product.

It is noteworthy that among the radars used by the ADAPT system are Raytheon's solid state digital ASR-10SS primary radars recently accepted by *swisscontrol* and Raytheon's Cossor Monopulse secondary radars. Raytheon is the foremost supplier of solid state primary and monopulse secondary and Mode S sensors in the world. -