

# IACP TECHNOLOGY CLEARINGHOUSE



## Law Enforcement Technology Program Survey

**Technology Program Name:** [Multi-Agency Radio Communications System \(MARCS\)](#) (MARCS website)

**Contact:** S/Lt. Larry Kobi

**Address:** 1970 West Broad Street, Columbus, OH 43223

**Primary Telephone:** 614-466-5933

**Alternate Telephone:** n/a

**Fax Number:** 614-466-8243

**E-mail Address:** [lkobi@dps.state.oh.us](mailto:lkobi@dps.state.oh.us)

**Home Page Address:** <http://www.state.oh.us/ohiostatepatrol/> (Ohio State Highway Patrol) [www.dnr.state.oh.us/](http://www.dnr.state.oh.us/) (Ohio Department of Natural Resources )

**Agency Size:** Total Sworn: 1368, Total Civilian: 1203

**Agency Type:** State Police

**Technology Program Status:** Department Wide Permanent Program

**Mobile Hardware Type and Quantity:** Laptop

**Printer:** n/a

**How is data transmitted from the Field to the Station?** Wireless (RF), and Disk

**How is data transmitted from the Station to State and Data Collection Authorities?**  
Wireless (modem)

**Funding:** The cost of MARCS is estimated to be \$271.8 million. The governor's office and state legislature is funding the project. Participating state agencies will purchase agency-owned MARCS equipment and a share of the operating costs of MARCS from their budgets.

**Hardware Manufacturers:** [Printrak](#) - CAD; [MDSI](#) - Message Switch; Laptop manufacturer has not yet been selected.

**Software Manufacturers:** [Printrak](#) - CAD; [MDSI](#) - Message Switch;

### **Important Technology Lessons Learned:**

**Program Narrative Overview:** The Multi-Agency Radio Communications System (MARCS) is a statewide 800MHz trunked voice and data system intended to provide communications for twelve (12) state agencies. The Ohio Department of Administrative Services (DAS) has been charged with procuring this system estimated to cost about \$271.8 million. Other state agencies sharing the system will be the State Fire Marshall, Natural Resources, Rehabilitation & Correction, Taxation, Transportation, Youth Services, Environmental Protection, Attorney General, Public Utilities, Ohio Turnpike and Public Safety which includes the OSHP, Emergency Management and Liquor/Food Stamp Enforcement.

A contract to begin work in central Ohio was awarded to TRW in September 1998. TRW will act as the integrator and has selected Motorola, Printrak and MDSI as subcontractors in the project. The project includes 201 radio tower sites; 800MHz trunked voice with telephone interconnect capability and a separate 800 MHz data system covering 97.5% of the state with a 5% grade of service; computer aided dispatch for the OSHP, Natural Resources, Emergency Management and Rehabilitation & Corrections; automatic vehicle location; and mobile data computers in all OSHP and Natural Resources enforcement vehicles.

Construction of the central segment will begin late 1999 with the entire system complete sometime in 2003.