The Counterdrug Technology Assessment Center (CTAC) is the central counterdrug technology research and development organization of the United States Government. This Counterdrug Research and Development Blueprint Update provides an annual report on the counterdrug research and development (R&D) program. The report concentrates on those accomplishments made with R&D projects conducted with CTAC funding and the Technology Transfer Program (TTP). Appendices contain information mandated by CTAC-related legislation as well as information about activities undertaken by other national drug control agencies. Appendices B and C contain sensitive, yet unclassified, information, were removed from this report, and can be accessed online at www.whitehousedrug policy.gov. The ONDCP Clearinghouse webmaster will arrange for access to specific information as appropriate.

- Appendix A provides excerpts from recent legislation and conference reports
- Appendix B provides an updated listing of priority scientific and technological needs by agency
- Appendix C provides a summary of drug-related R&D projects by the national drug control agencies
- Appendix D provides the Annual Report on the Development and Deployment of Narcotics Detection Technologies (required by P.L. 105-85) (funding levels provided online)
- Appendix E provides a summary of the Technology Transfer Program
- Appendix F acknowledges those who supported the preparation of this report

INTRODUCTION

CTAC's strategic goals were developed in concert with the National Drug Control Strategy goals and national priorities. The schematic in Figure 1 provides an overview of CTAC's goals: (1) improve the quality of research, (2) improve the quality of drugrelated criminal investigations, and (3) expand investigative capabilities of state and local law enforcement; and their relationship to the national goals of:

Two-Year Goals:

- A 10 percent reduction in current use of illegal drugs by the 12-17 age group
- A 10 percent reduction in current use of illegal drugs by adults age 18 and older

Five-Year Goals:

- A 25 percent reduction in current use of illegal drugs by the 12-17 age group
- A 25 percent reduction in current use of illegal drugs by adults age 18 and older

Federal Agency R&D Spending

The National Drug Control Strategy Budget Summary provides the drug-related R&D budgets for the national drug control agencies.

CTAC R&D Funding

For fiscal year 2002, CTAC received appropriations of \$42,300,000 as follows:

- \$20,064,000 for R&D projects in support of demand and supply reduction technologies, and
- \$22,236,000 for the Technology Transfer Program.

National Drug National CTAC CTAC Intermediate Control **Priorities** Goals Outcomes / Impact Approach **Strategy Goals** Use advanced neuroscience **R&D Program Goals** Prevention -Stopping Use Two-Year Goals: technology to accelerate research Before It Starts: identification Improve quality progress. 10 % reduction in Education and of genetic of research. current use of Community high risk Expand access to research findings. populations illicit drugs Action (12-17 age group Provide law enforcement agencies with advanced technology for drug and 18 and older) Treatment Healing detection, communications Triage: America's Drug interoperability, communications targeted and Five-Year Goals: Users: Getting intercept, case management, effective 25 % reduction in Treatment Improve quality tracking and surveillance medications Resources of drug-related applications. current use of unique to Where They criminal illicit drugs specific Are Needed investigations. Common set of TTP technologies (12-17 age group disorders. with training across the nation. and 18 and older) **TTP Goals** A uniform TTP systems architecture Advanced Disrupting the of advanced tracking, surveillance, Expand technology for Market: communications intercept, investigative federal, state communications interoperability and Attacking the capabilities of and local law Economic Basis case management systems will be state and local enforcement. of Drug Trade made available to agencies from the law enforcement. larger jurisdictions.

Figure 1. CTAC Goals Related to National Goals and Priorities