

Budget Item: 8C

Program: 086-110 Aeromedical Research

FY 2000 Funding (\$000):	<u>Request</u>	<u>House</u>
	4,829	4,829

- FAA researchers assist the US Air Force (USAF) with theoretical calculations of galactic radiation by supplying them with a special version of a computer program designed by the FAA Civil Aeromedical Institute (CAMI). FAA cost is about \$10K. The USAF provides the FAA access to their supercomputer to perform complex calculations needed in development of theoretical galactic radiation exposures. USAF cost is about \$50K.
- CAMI supplies the USAF with training on the evacuation of aircraft using the FAA's Aircraft Cabin Evacuation Facility. The USAF provides personnel in research studies to answer safety-related questions. FAA cost is about \$20K; USAF cost is about \$20K.
- The USAF is working with CAMI on a safety-related study into the effect of private sector laser light shows on pilot performance. The USAF will set up the laser and CAMI will collect data. FAA cost is \$100K; USAF cost is \$25K.
- CAMI staff supervised testing of the USAF Emergency Passenger Oxygen System. FAA cost is \$15K; USAF cost is \$25K.
- Air Force personnel train in water survival using the CAMI water survival tank. Cost to the FAA is about \$20K.
- CAMI is developing an agreement with the USAF on the testing of new protective breathing equipment designed for the Air Force. Expected cost to the FAA is \$25K; USAF cost will be about \$100K.