

Celestial and Planetarium Navigational Training. FAC: 1712

CATCODE: 171393

OPR: 19AF/A3

OCR: AETC/A3F, A5R, AF/A3O-AT

1.1. **Description.** This facility is used to conduct presentations of the solar system. Includes an optical device that projects various celestial images and effects, cadet navigational training classes are also conducted along with solar system presentations to visitors.

1.1.1. A planetarium is a theatre built primarily for presenting educational and entertaining shows about astronomy and the night sky, or for training in celestial navigation.

1.1.2. A dominant feature of most planetaria is the large dome-shaped projection screen onto which scenes of stars, planets and other celestial objects can be made to appear and move realistically to simulate the complex 'motions of the heavens'. The celestial scenes can be created using a wide variety of technologies, for example precision-engineered 'star balls' that combine optical and electro-mechanical technology, slide projector, video and full dome projector systems, and lasers. Whatever technologies are used; the objective is normally to link them together to provide an accurate relative motion of the sky. Typical systems can be set to display the sky at any point in time, past or present, and often to show the night sky as it would appear from any point of latitude on Earth.

1.2. A defined facility standard is not currently available for this CATCODE. By default, all requirements are user justified until a standard is established or adopted.