Prior Authorization: 000001

Date Posted: June 3, 2014

Brief Description: Planetarium equipment with full dome video capability using standard hemispherical mirror projection technology that is compatible with a Spitz 512 Starball.

Deadline for Submission of Statement of Interest: June 10, 2014

Project Description:
ESU is looking for a full-dome, high-resolution digital video equipment solution that uses a warped media, rear-mounted hemispherical mirror combined with LCoS video projector technology that will accommodate and be compatible with our current Spitz 512 Starball for an existing 24 foot dome planetarium. We require a lift be installed on the Starball projector with remote control in manual and automated operation, as well as a console solution to manually and automatically control all of the 512 functions. The Spitz 512 Starball must be upgraded (replace coordinate, opaque ecliptic transparencies; repair shutters for sun and planets; install LED lamp on moon projector; clean slip rings; adjust interfaces for daily, latitude, heading and precession; clean optics, replace mirrors and lens; adjust alignment on optical projectors and planet tracking), an upgrade on dome reflectivity (clean and paint to optimize video display); LED lighting conversion on solar system, coordinate and ecliptic projectors; intelligent RGB, LED cove lighting solution that must accommodate in an ECCS standard Douser enclosure as well as be controlled manually or by Hercules automation; LCD insert projector synchronized with Starball controlling console. The provider would also be responsible for installation and maintenance made to current equipment along with the digital equipment solution.