

Executive Summary

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Presentation Title Lunar Precursor Robotic Program Status

Key Ideas

The presentation will consist of the current portfolio of activities within the Lunar Precursor Robotic Program (LPRP). Presently, this includes the Lunar Reconnaissance Orbiter (LRO) and Lunar CRater Observation and Sensing Satellite (LCROSS), as well as the effort to produce useful ground software tools related to the lunar environment for engineering use in mission planning as well as designing, developing, and operating lunar surface systems for Human return to the Moon.

Supporting Information

The LPR Program is the host program for the Exploration Systems Mission Directorate's (ESMD) lunar robotic precursor missions to the Moon. The program includes two missions, LRO and LCROSS. Both missions will provide the required lunar information to support development and operations of those systems required for Human lunar return. LPRP is developing a lunar mapping plan to create the capability to archive and present all data from LRO, LCROSS, historical lunar missions, and international lunar missions for future mission planning and operations. LPRP is also developing its educational and public outreach activities for the Vision for Space Exploration's first missions. LPRP is working closely with the Science Mission Directorate as their lunar activities come into focus.