Record Nr. Titolo	UNINA9910461518403321  Exploring the final frontier [[electronic resource]]: issues, plans and
Pubbl/distr/stampa	funding for NASA / / Dillon S. Maguire, editor  New York, : Nova Science Publishers, c2010
ISBN	1-61324-565-3
Descrizione fisica	1 online resource (170 p.)
Collana	Space science, exploration and policies series
Altri autori (Persone)	MaguireDillon S
Disciplina	354.79
Soggetti	Astronautics and state - United States Astronautics - United States - Costs Electronic books. Outer space Exploration United States Planning
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""EXPLORING THE FINAL FRONTIER""; ""ISSUES, PLANS AND FUNDING FOR NASA"; ""CONTENTS""; ""PREFACE""; ""AN ANALYSIS OF NASAa€?S PLANS FOR CONTINUINGHUMAN SPACEFLIGHT AFTER RETIRING THE SPACESHUTTLEa??""; ""SUMMARY""; ""The Constellation Program and NASAa€?s Budget""; ""The Gap in U.S. Human Spaceflight""; ""The Constellation Program Within NASAa€?s Budget""; ""RISKS TO THE TIMELY COMPLETION OF ARES 1 AND ORION""; ""The Margin for Increases in Oriona€?s Mass""; ""Development Risks for the Ares 1""; ""Thrust Oscillations""; ""Performance Shortfall"" ""Schedule for Development of the J-2X Engine"""POTENTIAL DELAYS IN COMPLETING THE SPACE STATION ANDRETIRING THE SPACE SHUTTLE""; ""End Notes""; ""THE BUDGETARY IMPLICATIONS OF NASA'SCURRENT PLANS FOR SPACE EXPLORATIONa??""; ""SUMMARY""; ""NASAa€?s Current Plans""; ""EXPECTED COST GROWTH IN NASAa€?S PROGRAMS ANDALTERNATIVE SCENARIOS""; ""Scenario 1: Keep Funding Fixed and Allow Schedules to Slip""; ""Scenario 2: Execute NASAa€?s Current Plans and Extend Operation of theShuttle and Space Station"" ""Scenario 3: Achieve the Constellation Programa€?s Schedule and Allow theScience Schedule to Slip""""Scenario 4: Absorb Cost Growth to Achieve Constellationa€?s Schedule byReducing Funding for Science and Aeronautics""; ""Comparison of the Constellation and Apollo

1.

```
Programs""; ""APPENDIX: DETAILS OF NASAa€?S PLANS, BY
DIRECTORATE ANDFUNCTION"": ""Exploration Systems Mission
Directorate""; ""Space Operations Mission Directorate""; ""Science
Mission Directorate"; ""Aeronautics Research Mission Directorate";
""Cross-Agency Support, Education, and Inspector General""; ""End
Notes"
""NASA:ASSESSMENTS OF SELECTED LARGE-SCALEPROJECTSa??"""WHY
GAO DID THIS STUDY""; ""WHAT GAO FOUND""; ""ABBREVIATIONS""; ""A
SOUND BUSINESS CASE UNDERPINS SUCCESSFUL
ACQUISITIONOUTCOMES""; ""NASA HAS MADE EFFORTS TO IMPROVE ITS
ACQUISITIONS""; ""PROJECT ASSESSMENTS""; ""OUR OBSERVATIONS"";
""Technology Maturity""; ""Design Stability""; ""Complexity of Heritage Technology""; ""Contractor Performance""; ""Development Partner
Performance""; ""ASSESSMENTS OF INDIVIDUAL PROJECTS"";
""AQUARIUS""; ""Project Status""; ""Detailed Project Discussion"";
""Project Office Comments""
""ARES I CREW LAUNCH VEHICLE (CLV)""""Project Status""; ""Detailed
Project Discussion""; ""Project Office Comments""; ""DAWN""; ""Project
Status"": ""Detailed Project Discussion"": ""Project Office Comments"":
""GAMMA-RAY LARGE AREA SPACE TELESCOPE (GLAST)""; ""Project
Status""; ""Detailed Project Discussion""; ""Project Office Comments"";
""GLORY""; ""Project Status""; ""Detailed Project Discussion""; ""Project
Office Comments"; ""GLOBAL PRECIPITATION MEASUREMENT (GPM)
MISSION""; ""Project Status""; ""Detailed Project Discussion""; ""Project
Office Comments""; ""HERSCHEL""
```

""Project Status""