

2019 Heliophysics MIDEX Announcement of Opportunity Program Library Change Log

This document may be found in the 2019 Heliophysics MIDEX Program Library, at <https://explorers.larc.nasa.gov/HPMIDEX/programlibrary.html>, by selecting “View Change Log”.

Note: If a document is posted out of sequence or is revised, it will be indicated via highlighting in this log.

June 15, 2021:

05_HEP_2019_MIDEX_Guidelines_and_Criteria_for_the_Phase_A_Concept_Study_20210615.pdf posted as Program Specific Documents item “5. [Guidelines and Criteria for the Phase A Concept Study](#)”.

April 6, 2021:

05_HEP_2019_MIDEX_Guidelines_and_Criteria_for_the_Phase_A_Concept_Study_20210330.pdf posted as Program Specific Documents item “5. [Guidelines and Criteria for the Phase A Concept Study](#)”.

December 14, 2020:

05_HEP_2019_MIDEX_Guidelines_and_Criteria_for_the_Phase_A_Concept_Study_20201210.pdf posted as Program Specific Documents item “5. [Guidelines and Criteria for the Phase A Concept Study](#)”.

October 6, 2020:

05_HEP_2019_MIDEX_Guidelines_and_Criteria_for_the_Phase_A_Concept_Study_20201006a.pdf posted as Program Specific Documents item “5. [Guidelines and Criteria for the Phase A Concept Study](#)”.

September 23, 2020: FAQs for Protecting Spaceborne Assets 13-May-2020.pdf posted as Documents Referenced by CSR Guidelines item “9. [FAQs for Protecting Spaceborne Assets 13-May-2020](#)”.

September 23, 2020: nasa-std-1006.pdf posted as Documents Referenced by CSR Guidelines item “8. [Space System Protection Standard](#), NASA-STD-1006”.

September 23, 2020: NIST.FIPS.140-2.pdf posted as Documents Referenced by CSR Guidelines item “7. [Security Requirements for Cryptographic Modules](#), FIPS PUB 140-2”.

September 23, 2020: Conflicted_Party_List_Rev_10-05-17.xlsx posted as Documents Referenced by CSR Guidelines item “6. [CSR Conflicted Party List](#)”.

September 23, 2020: N_PR_8000_004B.pdf posted as Documents Referenced by CSR Guidelines item “5. [Agency Risk Management Procedural Requirements](#), NPR 8000.4B”.

September 23, 2020: Items posted as Documents Referenced by CSR Guidelines item “4. Sample International Agreements”.

September 23, 2020: Juno_with_Belgium.pdf posted as Documents Referenced by CSR Guidelines item 4“a. *With Belgium for Juno*”.

September 23, 2020: MSL_with_France.pdf posted as Documents Referenced by CSR Guidelines item 4“b. *With France for MSL*”.

September 23, 2020: Item posted as Documents Referenced by CSR Guidelines item “3. Mission Definition Requirements Agreement (MDRA) Examples”.

September 23, 2020: ICON L2 Project Requirements.pdf posted as Documents Referenced by CSR Guidelines item 3“a. *ICON*”.

September 23, 2020: Items posted as Documents Referenced by CSR Guidelines item “2. Program Level Requirements Appendix (PLRA) Examples”.

September 23, 2020: TESS_Level-1_Program_Requirements_HQ_Final_Signed_Copy_Redacted+OCR.pdf posted as Documents Referenced by CSR Guidelines item 2“a. *TESS*”.

September 23, 2020: ICON PLRA signed Redacted+OCR.pdf posted as Documents Referenced by CSR Guidelines item 2“b. *ICON*”.

September 23, 2020: NASA_Data_Plan.pdf posted as Documents Referenced by CSR Guidelines item “1. *NASA Plan for Increasing Access to the Results of Scientific Research*”.

September 23, 2020: Created new section “Documents Referenced by CSR Guidelines (NOTE: Step-2 addition)”.

September 19, 2019: 22_NIKA_Table_2-1_Additions.xlsx posted as Program Specific Documents item “22. *Supplemental information regarding NEN Ka-band capabilities*”.

August 20, 2019: 06b_Helio_MIDEX_2019_LSP_Information_Summary_RevC_8-16-2019.pdf posted as an update to Program Specific Documents item “6. *Launch Services Program Information Summary*”. A notification of potential increases in performance is provided and the Performance Ground Rules have been limited to a single instance.

July 23, 2019: 07Ba_Proposer_Requested_ISS_Resource_Table_v5_March_2019.docx posted as an update to Program Specific Documents item “7. Information on International Space Station Resources / b. *Proposer Requested ISS Resource Table v[5]*”, the name of

which has also changed.

July 23, 2019: 17Ba_Gateway_PL_IF.pdf posted as an update to Program Specific Documents item “17. Information on Lunar Orbital Platform-Gateway / b. [Gateway Payload Interface Document](#)”.

July 22, 2019: 06a_Helio_MIDEX_2019_LSP_Information_Summary_RevB2_7-19-2019.pdf posted as an update to Program Specific Documents item “6. [Launch Services Program Information Summary](#)”. What had been Scenario 2 has been expanded into Scenario 2 and Scenario 3, to provide more options for performance and shroud size

July 16, 2019:

05_HEP_2019_MIDEX_Guidelines_and_Criteria_for_the_Phase_A_Concept_Study_20190716f.pdf posted as Program Specific Documents item “5. [Guidelines and Criteria for the Phase A Concept Study](#)”. Note that this is a draft document; the final document will not be posted until Step 2.

July 3, 2019: 06_Helio_MIDEX_2019_LSP_Information_Summary_Final_RevA_7-3-2019.pdf posted as Program Specific Documents item “6. [Launch Services Program Information Summary](#)”.

July 2, 2019: 19_N_PD_8610_024C__main.pdf posted as NASA and Federal Documents item “19. NPD 8610.24C, [Launch Services Program Pre-Launch Readiness Reviews](#)”.

July 2, 2019: 21_HEP_2019_MIDEX_ESI_Goals_and_Objectives_20190514.pdf posted as Program Specific Documents item “21. [Entry, Descent and Landing \(EDL\) Instrumentation Engineering Science Investigation \(ESI\) Goals and Objectives](#)”.

July 2, 2019: 20_HEP_2019_MIDEX_ESI_Programmatics_20190514.pdf posted as Program Specific Documents item “20. [Entry, Descent and Landing \(EDL\) Instrumentation Engineering Science Investigation \(ESI\) Proposal Details and Programmatic Structure](#)”.

July 2, 2019: 19_2018_nasa_new_start_inflation_index_for_fy19_use_final_dist.xlsx posted as Program Specific Documents item “19. [2018 NASA New Start Inflation Index for FY19 Use](#)”.

July 2, 2019: Release of the final 2019 Heliophysics MIDEX AO has resulted in a re-baselining of the Program Library. Any subsequent changes from the listing in APPENDIX D of the AO will be square bracketed.

June 4, 2019:

18_Near_Earth_Network_(NEN)_Users'_Guide_Revision_4_Redacted_]453-UG-002905.pdf posted as Program Specific Documents items “18. [[Near Earth Network \(NEN\) Users' Guide Revision 4](#)]”.

May 31, 2019: 17A_Lunar_Gateway_2019-04-29a.pdf, 17B_Gateway_PL_IF_2019-04-19.pdf, and 17C_Robotics-020918_R1.pdf posted as Program Specific Documents items “17. [Information on Lunar Orbital Platform-Gateway

- a. [Instructions for proposing Lunar Gateway](#)
- b. [Gateway Payload Interface Document](#)
- c. [Robotics Standards](#)]

May 31, 2019: 16_Available_Spectrum_and_Channel Limits_By_Allocated_Service.pdf posted as Program Specific Documents item “16. [[Available Spectrum and Channel Limits By Allocated Service](#)]”.

May 31, 2019: 12_HEP_2019_MIDEX_AO_TablesB1-B2-B3b-B5_Excel_20190529.xls posted as Program Specific Documents item “12. [Microsoft Excel version of the template tables in the AO:](#)

- [Table B1: Example Science Traceability Matrix
- Table B2: Example Mission Traceability Matrix
- Table B3b: Total Mission Cost FY\$ Profile Template
- Table B5: Master Equipment List]

May 14, 2019: 14A_ModelContractDraftPhasesB-F_ForProfit.pdf and 14B_ModelContractDraftPhasesB-F_NonProfit.pdf posted as Program Specific Documents items “14. *Draft Model Contract for Phases B/C/D/E*

- a. [[Model Contract Draft Phases B-F, For Profit](#)]
- b. [[Model Contract Draft Phases B-F, Non Profit](#)]” respectively.

May 14, 2019: [Link to 2013 Heliophysics Decadal Survey](#) posted as “[The National Research Council 2013 Heliophysics Decadal Survey, *Solar and Space Physics, A Science for a Technological Society (2013)*, may be accessed at <https://www.nap.edu/catalog/13060/solar-and-space-physics-a-science-for-a-technological-society>.]”

May 6, 2019: AO-referenced Federal Acquisition Regulations part 22.808 added as “[FAR 22.808, “Complaints”]”.

May 6, 2019: 19_N_PD_8610_007D__main.pdf posted as NASA and Federal Documents item “18. [NPD 8610.7D, [NASA Launch Services Risk Mitigation Policy for NASA-Owned and/or NASA-Sponsored Payloads/Missions](#)]”.

May 6, 2019: 18_N_PD_8610_023C__main.pdf posted as NASA and Federal Documents item “17. [NPD 8610.23C, [Launch Vehicle Technical Oversight Policy](#)]”.

May 6, 2019: 17_N_PD_1360_002B__main.pdf posted as NASA and Federal Documents item “16. [NPD 1360.2B, [Initiation and Development of International Cooperation in Space and Aeronautics Programs](#)]”.

May 6, 2019:

15_[NASA_Plan_for_Increasing_Access_to_the_Results_of_Scientific_Research_]2015_0020926.pdf posted as NASA and Federal Documents item “15. [NASA Plan for Increasing Access to the Results of Scientific Research](#)”.

May 6, 2019: 14_N_PR_2200_002D_.pdf posted as NASA and Federal Documents item “14. NPR 2200.2D, [Requirements for Documentation, Approval and Dissemination of Scientific and Technical Information](#)”.

May 6, 2019: 13_N_PD_2521_001B__main.pdf posted as NASA and Federal Documents item “13. NPD 2521.1B, [Communications and Material Review](#)”.

May 6, 2019: 12_N_PR_8705_0004_.pdf posted as NASA and Federal Documents item “12. NPR 8705.4, [Risk Classification for NASA Payloads](#)”.

May 6, 2019: 11_N_PR_8715_003D_.pdf posted as NASA and Federal Documents item “11. NPR 8715.3D, [NASA General Safety Program Requirements](#)”.

May 6, 2019: 10_nasa-std-8719.14a_with_change_1.pdf posted as NASA and Federal Documents item “10. NASA STD 8719.14A, [NASA Process for Limiting Orbital Debris](#)”.

May 6, 2019: 09_N_PR_8715_006B_.pdf posted as NASA and Federal Documents item “9. NPR 8715.6B, [NASA Procedural Requirements for Limiting Orbital Debris](#)”.

May 6, 2019: 08_[NASA_WBS_Handbook_]20180000844.pdf posted as NASA and Federal Documents item “8. NASA/SP-2016-3404/REV1, [NASA WBS Handbook](#)”.

May 6, 2019: 07_MSRDraftTestProtocol.pdf posted as NASA and Federal Documents item “7. NASA/CP 2002 211842, [A Draft Test Protocol for Detecting Possible Biohazards in Martian Samples Returned to Earth](#)”.

May 6, 2019: 06_NASA-HDBK-6022b.pdf posted as NASA and Federal Documents item “6. NASA HDBK 6022, [NASA Handbook for the Microbiological Examination of Space Hardware](#)”.

May 6, 2019: 05_N_PD_7100_010F__main.pdf posted as NASA and Federal Documents item “5. NPD 7100.10F, [Curation of Institutional Scientific Collections](#)”.

May 6, 2019: 04_N_PD_8020_007G_main.pdf posted as NASA and Federal Documents item “4. NPR 8020.7G, [Biological Contamination Control for Outbound and Inbound Planetary Spacecraft](#)”.

May 6, 2019: 03_NID_8020_109A.pdf posted as NASA and Federal Documents item “3. NPR 8020.109A, [Planetary Protection Provisions for Robotic Extraterrestrial Missions](#)”.

May 6, 2019: 02_N_PR_7123_001B_.pdf posted as NASA and Federal Documents item “2. NPR 7123.1B, [NASA Systems Engineering Processes and Requirements](#)”.

May 6, 2019: 01_N_PR_7120_005E_.pdf posted as NASA and Federal Documents item “1. NPR 7120.5E, [NASA Space Flight Program and Project Management Requirements](#)”.

May 6, 2019: 15_Budget_Summary_Form.doc posted as Program Specific Documents item “15. [Explorers Budget Summary, Exhibit A](#)”.

May 6, 2019: Placeholder posted for Program Specific Documents item “14. *Draft Model Contract for Phases B/C/D/E*”.

May 6, 2019: 13_SPD-19_PI-ledmissions_70JCL.pdf posted as Program Specific Documents item “13. SPD-19, [Meeting the 70% JCL Requirement in PI-led Missions](#)”. “SPD-19,” should have been square bracketed, despite being correct, since the DRAFT AO italicized it.

May 6, 2019: Placeholder posted for Program Specific Documents item “12. *Microsoft Excel version of the template tables in the AO:*
Table B1: Example Science Traceability Matrix
Table B2: Example Mission Traceability Matrix
Table B3b: Total Mission Cost FY\$ Profile Template
Table B5: Master Equipment List”.

May 6, 2019: 11_SMD_Mission_Extension.pdf posted as Program Specific Documents item “11. [SMD Mission Extension Paradigm](#)”.

May 6, 2019: 10_System-Level_TRL_6_Examples.pdf posted as Program Specific Documents item “10. [System-Level TRL 6 Examples](#)”.

May 6, 2019: 09_SMD_SC_Guide_1_120508.pdf posted as Program Specific Documents item “9. [The Explanatory Guide to the NASA Science Mission Directorate Educational Merit Evaluation Factors for Student Collaboration Elements](#)[, version 1.1. (NOTE: References and email addresses in this document are unreliable. For example, the guide does not reflect changes to NASA grant and cooperative regulations reflecting new OMB Uniform Guidance, 2 CFR Part 200, implemented by NASA on December 26, 2014.)]”.

May 6, 2019: “08a_SCaN-MOCS-0001_Rev 2_final.pdf” posted as Program Specific

Documents item “8. [*Space Communications and Navigation \(SCaN\) Mission Operations and Communications Services \(MOCS\)*](#)”.

May 6, 2019: 07A_External-Payloads-Proposers-Guide-to-ISS-SSP-51071-Baseline_Redacted.pdf, 07B_Proposer-Requested-ISS-Resource-Table_v4.docx, and 07C_ISSP-Management-JEM-EF-Power-Flow-Design-Directive.pdf posted as Program Specific Documents items “7. *Information on International Space Station Resources*”
a. [*External Payloads Proposer’s Guide to the International Space Station*](#)
b. [*Proposer Requested ISS Resource Table_v4*](#)
c. [*ISSP Management JEM-EF Power & Flow Design Limit Directive*](#)”
respectively.

May 6, 2019: Placeholder posted for Program Specific Documents item “6. *ELV Launch Services Information Summary*”.

May 6, 2019: Placeholder posted for Program Specific Documents item “5. *Guidelines and Criteria for the Phase A Concept Study*”.

May 6, 2019: 04__SPD_SPD-31_Student_Collaboration_-_May_2018_Redacted.pdf posted as Program Specific Documents item “4. [*SPD-31, SMD Policy Document on Student Collaboration*](#)”. Note that “SPD-31,” should not have been italicized or been part of the hyperlink.

May 6, 2019: 03_ClassC_EHPD-RQMT-0001RevAReleased.pdf posted as Program Specific Documents item “3. [*Explorers & Heliophysics Projects Division \(EHPD\) Mission Assurance Requirements \(MAR\) Mission Risk Classification – NPR 7120.5 Class C*](#)”.

May 6, 2019: 02_Explorers-Program-Plan-Signed-2014.09.09_Redacted.pdf posted as Program Specific Documents item “2. [*Explorers Program Plan*](#)”.

May 6, 2019: 01_2014_HelioRoadmap_Final_Reduced.pdf posted as Program Specific Documents item “1. [*Our Dynamic Space Environment: Heliophysics Science and Technology Roadmap for 2014-2033*](#)”.

May 6, 2019: Link to 2013 Planetary Decadal Survey posted as “[The National Research Council 2013 Planetary Decadal Survey, *Vision and Voyages for Planetary Science in the Decade 2013-2022*, may be accessed at http://www.nap.edu/catalog.php?record_id=13117.]”

May 6, 2019: 02_2014_Science_Plan_PDF_Update_508_TAGGED_1.pdf posted as Strategic Documents item “2. [*2014 Science Plan*](#)”.

May 6, 2019: 01_N_PD_1001_000C__main.pdf posted as Strategic Documents item “1. NP 1001.0C, [*2018 NASA Strategic Plan*](#)”.