

Approved: 9-27-2022

**SUBJECT:** CHANGE TO DOE G 413.3-12 CHG 1, *FRONT-END PLANNING AND PROJECT DEFINITION RATING INDEX FOR NUCLEAR AND NON-NUCLEAR CONSTRUCTION PROJECTS*.

1. **EXPLANATION OF CHANGES.** This update to the existing G 413.3-12 Chg 1 (Admin Chg) *U.S. DOE Project Definition Rating Index Guide for Traditional Nuclear and Non-Nuclear Construction Projects*, provides updated project management front-end planning best practices and tools to aid development of a comprehensive scope and assessment of the maturity of scope planning for applicable projects. The guide aids fulfillment of the requirement in DOE Order (O) 413.3B, *Program and Project Management for the Acquisition of Capital Assets*. DOE Office of Project Management (PM) observations during External Independent Reviews have often noted inappropriate use of the PDRI tools. Additionally, DOE's past program specific PDRI tools were custom made and do not benefit from the updated research by Construction Industry Institute (CII). This CII research has improved the PDRI tools, added a second dimension which provides better insight and updates the validation basis of PDRI tools to over \$135 billion worth of projects. There are now 6 variations of the CII PDRI tool to better align with differing types of construction projects. This update of the guide better aligns PDRI usage with latest best practices, fixes problems with the Excel workbooks, and reinforces the use of these tools throughout front-end planning to ensure mature scope for DOE projects.
2. **LOCATIONS OF CHANGES:**

Page	Paragraph	Changed	To
Whole Document	-	-	Deleted all references to CBAT.
Whole Document	-	Emphasized collaborative partnership with CII as PDRI models and tools evolve.	-
Whole Document	-	Included additional guidance on CII PDRI tool.	-
Whole Document	-	Changed the structure in accordance with PM-SOP-14-2020, "Project Management Guide Format, Style, and Structure.	-
1-2	Section 2	Added "Basis" section.	-
5	Section 2.2	Added Figure 1, "Employing PDRI and Front-End Engineering Design Maturity and Accuracy Total Rating System (FEED MATRS), Application Points"	-
7	Section 2.2	Added Table 1, "PDRI Application Points Corresponding to CD Stage for Small and Large Projects Based on CII Tools"	-

Page	Paragraph	Changed	To
8-9	Section 3	Shortened and revised section on “Background”	-
11-12	Section 5	Schedule of Deliverables section.	Clarification of the Schedule of Deliverables
23	Section 6.10	Added additional resource to explain the impact of N/A in scoring.	
A-1-4	Appendix A		Deleted Appendix A, “Glossary.” Re-organized appendices.
A-1 and C-1	Appendix A and C	-	Deleted Appendix D and F. Added Appendices with PDRI Industrial CII tool V5 example in Appendix A and B. Re-organized appendices.