# Component-Level Electronic-Assembly Repair (Clear) Analysis of the Problem Reporting and Corrective Action (Praca) Database of the International Space Station On-Orbit Electrical Systems



Filesize: 6.79 MB

#### Reviews

It in a of the best publication. It really is rally intriguing throph reading through period of time. You will not feel monotony at anytime of your own time (that's what catalogs are for relating to in the event you request me).

(Dr. Pat Hegmann)

## COMPONENT-LEVEL ELECTRONIC-ASSEMBLY REPAIR (CLEAR) ANALYSIS OF THE PROBLEM REPORTING AND CORRECTIVE ACTION (PRACA) DATABASE OF THE INTERNATIONAL SPACE STATION ON-ORBIT ELECTRICAL SYSTEMS



Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English. Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*\*. The NASA Constellation Program is investigating and developing technologies to support human exploration of the Moon and Mars. The Component-Level Electronic-Assembly Repair (CLEAR) task is part of the Supportability Project managed by the Exploration Technology Development Program. CLEAR is aimed at enabling a flight crew to diagnose and repair electronic circuits in space yet minimize logistics spares, equipment, and crew time and training. For insight into actual space repair needs, in early 2008 the project examined the operational experience of the International Space Station (ISS) program. CLEAR examined the ISS on-orbit Problem Reporting and Corrective Action database for electrical and electronic system problems. The ISS has higher than predicted reliability yet, as expected, it has persistent problems. A goal was to identify which on-orbit electrical problems could be resolved by a component-level replacement. A further goal was to identify problems that could benefit from the additional diagnostic and test capability that a component-level repair capability could provide. The study indicated that many problems stem from a small set of root causes that also represent distinct component problems. The study also determined that there are certain recurring problems where the current telemetry instrumentation and built-in tests are unable to completely resolve the problem. As a result, the root cause is listed as unknown. Overall, roughly 42 percent of on-orbit electrical problems on ISS could be addressed with a component-level repair. Furthermore, 63 percent of on-orbit electrical problems on ISS could benefit from additional external diagnostic and test capability. These results indicate that in situ component-level repair in combination with diagnostic and test capability can be expected to increase system availability and reduce logistics.

- Read Component-Level Electronic-Assembly Repair (Clear) Analysis of the Problem Reporting and Corrective Action (Praca) Database of the International Space Station On-Orbit Electrical Systems Online
- Download PDF Component-Level Electronic-Assembly Repair (Clear) Analysis of the Problem Reporting and Corrective Action (Praca)
  Database of the International Space Station On-Orbit Electrical Systems

### Other PDFs



Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications.

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\*
Print on Demand \*\*\*\*\*. This historic book may have numerous typos and missing text. Purchasers can usually...

Download Book

>>



Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel's System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. This historic book may have numerous typos and missing text. Purchasers can download...

Download Book

**>>** 



Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselues By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625)

Proquest, Eebo Editions, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book
\*\*\*\*\* Print on Demand \*\*\*\*\*\*.EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now...

Download Book

»



Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselues By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1625)

Proquest, Eebo Editions, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English Brand New Book
\*\*\*\*\* Print on Demand \*\*\*\*\*\*. EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now you...

Download Book

»



### Ohio Court Rules 2013, Practice Procedure

Createspace, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. Superseded by 2014 Edition. This title is available, but should be relied...

Download Book

**»**