Accepted Manuscript

Failure modes and criticality analysis of the preliminary design phase of the Mars Desert Research Station considering human factors

Elif Oguz, Martin Kubicek, David Clelland

PII: S0951-8320(17)31446-1 DOI: 10.1016/j.ress.2018.06.023

Reference: RESS 6195

To appear in: Reliability Engineering and System Safety

Received date: 13 December 2017
Revised date: 20 June 2018
Accepted date: 27 June 2018



Please cite this article as: Elif Oguz, Martin Kubicek, David Clelland, Failure modes and criticality analysis of the preliminary design phase of the Mars Desert Research Station considering human factors, *Reliability Engineering and System Safety* (2018), doi: 10.1016/j.ress.2018.06.023

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Highlights

- Criticality of the systems was calculated and improvements were proposed.
- All necessary steps for the reliability analysis have followed the FMECA guidelines prepared by NASA.
- Probability of failures of these systems can be used to enhance the safety and reliability of the MDRS.



Download English Version:

https://daneshyari.com/en/article/7195103

Download Persian Version:

https://daneshyari.com/article/7195103

Daneshyari.com