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## Disastrous High-Tech Decision Making: From Disasters to Safety (Paperback)

By Frederick F Lighthall

Dog Ear Publishing, 2016. Paperback. Condition: New. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Disastrous High-Tech Decision Making: From Disasters to Safety offers new insights for scholars studying management, decision making, cognition in the wild, and safety in the context of imperatives to continue operations. This book takes you inside the deliberations and action that have produced high-tech disasters in safetycritical enterprises. From primary data and analyses never before considered in scholarly assessments of the Challenger disaster, Frederick F. Lighthall, Professor Emeritus at The University of Chicago, applies the insights of macroergonomics, social psychology, naturalistic decision making, and legal argumentation to this expanded set of documents and data. He argues that the Challenger case represents a prototype of decision making that arises whenever a possibly threatening change in operating conditions becomes evident. In this situation, inevitable in boundarypushing enterprises, four generic decision-making pitfalls await engineers and managers who must decide whether continuing to operate is safe or dangerous. These four decision-making vulnerabilities are also evident, Lighthall argues, in the decision situations of other high-tech disasters both similar (the Columbia shuttle) and dissimilar (Deepwater Horizon oil spill disaster). In Part I of the book Lighthall traces decision participants...



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