

## Foreword

Experience has shown workers to be motivated and conscious of their responsibilities once they have come to understand and appreciate the meaning of what they are doing. If they have, their attitude will reflect also and to a special degree in their quality-awareness. They won't have to be told to keep their tote boxes clean, for instance, and if they're told to, they won't interpret it as sheer harassment by their supervisors.

This small guide is meant to alert to the dangers lurking in poor quality awareness. It bases on a long background in damage analysis.

**This book's chapters in part summarize various articles I contributed to MTU aktuell, the MTU newsletter. The present edition has been prepared for the FAA-initiated RoMan project. It contains several, previously unpublished additional chapters. Each chapter has been provided with explanatory graphics and legends.**

In this guide, I have attempted to familiarize readers with a number of quality-awareness problems typically arising in high-tech engineering environments, especially in aircraft engine work.

To appeal to the reader and arouse his awareness and curiosity, the problems addressed in this guide are everyday occurrences. I've tried, especially in the headings, to introduce some variety into the dry technical presentation, hopefully without lapsing into oversimplification of complex technical matters. Judging from the encouraging responses and comments I've received from MTU aktuell's international readership, this made for better reading. I've also been asked several times to distill these contributions into training material.

The illustrations in this guide were conceived and drawn for use in this book. They're patterned on the modern graphic forms of presentation generally encountered in overhaul manuals and similar instructional materials. I hope they will stimulate interest in the various topics and put them in a practical frame of reference.

The English translation was by Peter Baukhage and the author. My colleague Wolf-Dieter Feist contributed considerably to the idea of producing this brochure, as a member of the RoMan Team. He initiated the chapter 1 and took over the coordination of the correction work by the team members (see list on page 148). The pages from 92 have been translated by the author Axel Rossmann himself.

I want to thank my wife, Dr. Daniela Rossmann, who kindly tolerated the deep cuts that were needed in our shared leisure time so that this little book might be written.

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