

# **Best Practice**

## **AIR-200 Nondestructive Evaluation**

### **Reliability Guidance**

Nondestructive evaluation (NDE) inspection technique and respective flaw size criteria can be found in the National Aeronautics and Space Administration (NASA) "FLAGRO/NASGRO" tables. Various parameters such as the aspect ratio of the crack and the thickness of the test object are taken into account in the NASA "FLAGRO/NASGRO" tables.

A resource for nondestructive evaluation reliability data is the partially Federal Aviation Administration (FAA) funded "Nondestructive Evaluation (NDE) Capabilities Data Book", described below with availability information.

#### **NONDESTRUCTIVE EVALUATION (NDE) CAPABILITIES DATA BOOK**

This document was prepared by the Nondestructive Testing Information Analysis Center (NTIAC), located at TRI/Austin, Inc., 415 Crystal Creek Drive, Austin, TX 78746. NTIAC was a full service information analysis center sponsored by the U.S. Department of Defense, servicing the information needs of the Department of Defense, other U.S. Government agencies, and the private sector in the field of nondestructive testing.

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# **NONDESTRUCTIVE EVALUATION (NDE) CAPABILITIES DATA BOOK**

## **PREFACE**

This Third Edition of the **NONDESTRUCTIVE EVALUATION (NDE) CAPABILITIES DATA BOOK** was prepared as a Technical Area Task under the auspices of the Nondestructive Testing Information Analysis Center (NTIAC) at Texas Research Institute Austin, Inc. (TRI/Austin), under Contract DLA900-90-D-0123, Delivery Order 0014, with funding provided by the FAA.

The First Edition of the **NDE CAPABILITIES DATA BOOK**, published in May 1996, was prepared as a Technical Area Task under Delivery Order No. 005, with funding provided by the Defense. The Second Edition was published in May 1997 and was prepared under Delivery Order 0014, with funding provided by the FAA Technical Information Center (DTIC). Compilation of the Data book was accomplished jointly by Mr. Ward D. Rummel and Dr. George Matzkanin, NTIAC.

The **NDE CAPABILITIES DATA BOOK** is intended to provide a condensation of available reference data for demonstrated NDE performance capabilities (probability of detection, POD) in a single reference source. It is expected that the Data Book will be updated as new data are generated and made available; the three-ring binder design provided flexibility for incorporating future additional information in individual chapters and in the form of added appendices. The Third Edition is available in both hard copy, printed form, and on compact disk (CD) in various formats.

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Nothing Follows