

List of test procedures currently feasible within the accreditation based on the international standardization incl. procedures supplemented in acc. with Flex III

This overview refers to the annex to accreditation certificate published by DAkkS as of **17-06-2021**.

Registered and highlighted in **BLUE** are changes to internationally recognized standards since that time.

Testing Field	International Standard / Version	Title of international standard	Test Range
Machinery	ISO 21940-21:2012-07* SAE ARP 4162:2017-03*	Mechanical vibration – Rotor balancing – Part 21: Description and Evaluation of Balancing machines Balancing machine proving rotors	Geometry
Machinery	ISO 21940-21:2012-07* SAE ARP 4162:2017-03*	Mechanical vibration – Rotor balancing – Part 21: Description and Evaluation of Balancing machines Balancing machine proving rotors	Mass
Machinery	ISO 21940-21:2012-07* SAE ARP 4162:2017-03*	Mechanical vibration – Rotor balancing – Part 21: Description and Evaluation of Balancing machines Balancing machine proving rotors	Unbalance
Machinery	ISO 21940-21:2012-07* DIN ISO 21940-21:2020-11 Appendix 1* SAE AS 8617: 2020-08* SAE ARP 4048:2020-05* SAE ARP 4050:2017-02* SAE ARP 5323:2017-02* SAE ARP 6217:2012-05*	Mechanical vibration – Rotor balancing – Part 21: Description and Evaluation of Balancing machines Balancing Machines – Verification Test Requirements Balancing machines – Description and evaluation Horizontal, two-plane, hard-bearing type for gas turbine rotors Balancing machines – Description and evaluation Vertical, two-plane, hard-bearing type for gas turbine rotors Balancing machines – Description and evaluation Vertical, single-plane, hard-bearing type for gas turbine rotors Balancing machines – Description and evaluation Vertical, single-plane, non-rotating type for gas turbine rotors	Unbalance measuring system

Abbreviations used:

ISO = International Organization for Standardization

SAE AS = Society of Automotive Engineers Aerospace Standard

SAE ARP = Society of Automotive Engineers Aerospace Recommended Practice

Within the accreditation areas marked with *, the testing laboratory is permitted to use the standardized or equivalent test procedures listed here with different version status without the prior information and consent of the DAkkS (see Annex to the accreditation certificate D-PL-17225-01-00 according to DIN EN ISO /IEC 17025:2018, page 1, of 17-06-2021)

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In connection with test procedures based on international standardization and supplemented in accordance with Flex III, the **contents list** of test procedures had been updated in the following summary documents.

The in-house procedures without reference to international standardization are not affected by update of contents lists and apply unchanged as stated in the annex to the accreditation certificate as of **17-06-2021**.

Testing Field	Contents list in document on house procedures / version	Title of the standard or in-house procedure	Test area
Machinery	ISR BS 600:2020-11	Machines and systems of balancing technology: Testing the unbalance measuring system	Unbalance measuring system

Abbreviations used:

ISR BS = International Schenck RoTec Balancing Standard

Status: 16-05-2022 / Laboratory Manager Harald Uhl