



DAR-3-EM-15

Directory Reference System for Structuring the Areas of Testing

1 Introduction

Owing to the increasing number of inquiries for accredited testing laboratories received by the DAR Secretariat both from Germany and abroad, it is necessary to start with an efficient and rapid handling of this information.

The drawing up of a register of accredited testing laboratories also requires a rough classification of these testing laboratories on the basis of corresponding subjects. The existing registration has been made on the basis of a list that corresponded to the Sectoral Committees founded by the German accreditation bodies. This list appeared to be unrealistic and too general or too detailed what meant an additional hurdle to carry out database searches.

2 Description of the list

As to facilitate the handling of inquiries *for* and the input *of* the accredited testing laboratories into the DAR database, the DAR-Committee DAR-ATF elaborated a structured list of numbered descriptors. The inquiries to the DAR Secretariat received during the last years and the already existing EUROLAB-Directory made up the basic criteria for the structuring.

This list is composed of two partial lists:

- **List A** shows the agreed numbered descriptors describing the general fields in which the laboratories are operating (eg *Non-destructive materials testing*).
- **List B** shows the agreed numbered descriptors indicating either the product itself as test item (eg *Air*) or the fields which whole sets of products (eg *Aircraft and space vehicles*) stem from and are tested.

3 Use of the list

By a combination of descriptors from **both** partial lists A and B, an optimal description of the field of activity of the testing laboratory is reached. A multiple classification **within** a partial list is also possible.

eg "*Fire-proof quality of furniture fabrics*"

Classification: **List A:** A12 *Fire behaviour* **List B:** B15 *Furniture*
B49 *Textile and clothing*

The classification of the laboratories already accredited is first made by the DAR Secretariat in agreement with the accreditation bodies. Later the classification shall be made by the accreditation bodies themselves and the DAR Secretariat shall be informed about it.

Next revision

The document is subject to a revision, if required.

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A. Tests from the following testing fields:

A1	Acoustics	A23	Nuclear techniques /Ionising radiation
A2	Ageing	A24	Physics
A3	Analytical chemistry	A25	Safety evaluation
A4	Biology	A26	Sensory testing
A5	Climatology	A27	Thermodynamics
A6	Electromagnetic radiation (incl. Photometry)	A28	Sampling
A7	Electrotechnics/Electronics	A29	Others
A8	EMC	A30	Dangerous goods
A9	Environmental conditions	A31	EMC responsible body according to EMVG
A10	Environmental protection	A32	Metrology
A11	Ergonomics	A33	Pathology/Neuropathology
A12	Fire behaviour and fire protectors	A100	Contaminated sites: General identification of all laboratories / engineers' offices which have already received a recognition by BAM or a confirmation of competence by DACH, DAP and DASMIN
A13	Fluid dynamics	A101	Contaminated sites: Sampling of water
A14	Geology	A102	Contaminated sites: Sampling of soil
A15	Information techniques	A103	Contaminated sites: Sampling of soil gases (limited range of depth)
A16	IT Techniques	A104	Contaminated sites: Chemical analysis of water (full range of parameters)
A17	Materials evaluation	A105	Contaminated sites: Chemical analysis of water (limited range of parameters)
A18	Mechanics	A106	Contaminated sites: Chemical analysis of soil (full range of parameters)
A19	Medical analysis	A107	Contaminated sites: Chemical analysis of soil (limited range of parameters)
A20	Metallography	A108	Contaminated sites: Chemical analysis of soil gases (full range of parameters)
A21	Microbiology	A109	Contaminated sites: Chemical analysis of soil gases (limited range of parameters)
A22	Non-destructive material testing (NDT)	A113	Contaminated sites: Sampling of soil gases (minimum depth of sampling: 8 m)

Explanations:

A2	Time alterations of materials properties
A5	Research on meteorological processes
A9	Environmental influences on test items or processes
A10	Prevention of effects to the environment
A19	Example: Blood tests (sugar levels, cholesterol levels, enzymes)
A26	Tests with human senses (smell and taste)

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B. Products or set of products from the following areas:

B1	Adhesives	B23	Laboratory and scientific equipment	B45	Rubber
B2	Agriculture	B24	Leather	B46	Shipbuilding
B3	Air	B25	Lifting and handling equipment	B47	Soil, Sludge, contaminated sites...
B4	Aircraft and space vehicles	B26	Lighting	B48	Telecommunication equipment (radio, TV,...)
B5	Boilers and pressure vessels	B27	Machinery	B49	Textile and clothing
B6	Building and construction materials	B28	Measuring instruments	B50	Vacuum technology
B7	Civil engineering (roads, bridges, tunnels,..)	B29	Mechanical systems and components	B51	Water
B8	Coating and surface treatment	B30	Metals	B52	Welding technology
B9	Consumer products	B31	Military equipment	B53	Wood
B10	Cosmetics	B32	Minerals	B54	Others
B11	Drugs	B33	Nuclear applications	B55	Conventional power plants
B12	Electrical/Electrical components, devices and equipment	B34	Office appliances and business equipment	B56	Fire protection equipment
B13	Fluid engineering	B35	Other non-metallic materials	B57	Compounds related to explosives
B14	Foods	B36	Package and equipment for distribution of goods	B58	Household appliances
B15	Furniture	B37	Petroleum and coal products	B59	Multimedia devices
B16	Gas	B38	Photography	B60	Cable and lines
B17	Glass and ceramics	B39	Plastics	B61	Devices and equipment of information technology
B18	Health care technology (included: Medical devices)	B40	Process control systems	B62	Materials testing machines
B19	Heating, cooling, ventilating equipment	B41	Pulp and paper	B63	Animal feedingstuff
B20	Hydraulics and pneumatics	B42	Railway equipment		
B21	Information technology systems / Software	B43	Reference materials		
B22	Jewellery	B44	Road vehicles		

Explanations:

B16	Inert gases, carrier gas for analysis
B18	Active and non-active implants, EEG, ECG, surgical seam material, endoscope
B20	Parts of vehicle and lifting equipment, aircraft hydraulic, positioning switch for machine tools
B50	Vacuum pumps for scanning electron microscope (REM)
B52	Equipment and processes of resistance technology and gas welding as well as inert gas technology; jointing technology