

DIN CERTCO GmbH

We create confidence!

Science. Standardization. Education.
The growing role of person certification.



Agatha Swierczynski - CRFI Forum 2018 in Tel Aviv - NACE Israel



Contents of the presentation

The growing role of person certification.

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Signification of standardization

DIN Deutsches Institut für Normung e.V.

Some facts put together...

- Foundation of DIN in 1917
- Macroeconomic benefit today for around 20 billion EURO per year
- Standards with a number of 34,000 existing
- Experts with a number of 32,000 involved



DIN Standards Committee Coatings and Coating Materials (NAB)

DIN (NAB) Report of 2017.

NAB in numbers...

- 278** projects
- 379** available standards
- 256** ISO standards
 - 33** committees in Germany
 - 52** draft standards
 - 9** committees in Europe
 - 21** international committees
- 84** meetings



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DIN Standards Committee Coatings and Coating Materials (NAB)

DIN (NAB) Report of 2017.

Tasks of standardization work in the fields of the NAB are...

- Raw materials for coating materials (varnishes, paints and similar substances)
- Coating materials (varnishes, paints and similar substances)
- Coatings



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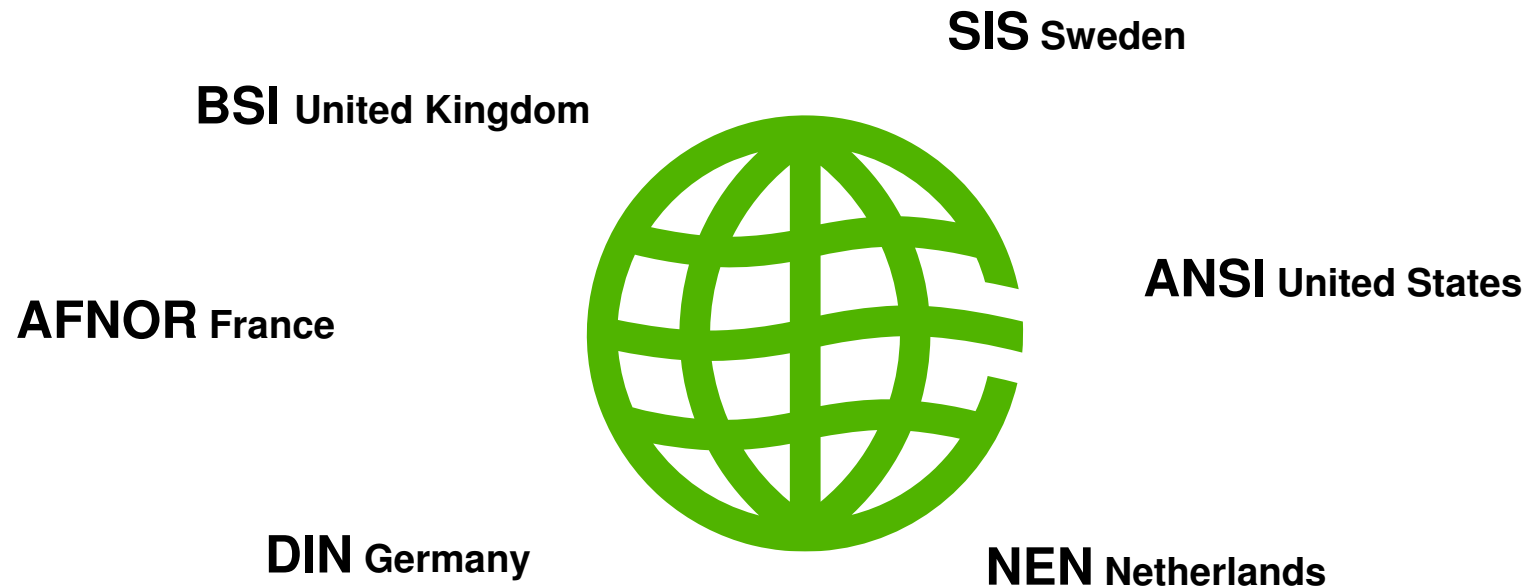
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Standards Committees international

DIN (NAB) Report of 2017.



Standards Committees international

DIN (NAB) Report of 2017.

ANSI United States

Measurement of surface profile by replica tape

Protective coatings: concrete surface preparation and coating application

SIS Sweden

Surface cleanliness

BSI United Kingdom

Organic coatings on aluminium for architectural purposes

Powder organic coatings for hot-dip-galvanized steel products

Reactive coatings for fire protection

General test methods for paints and varnishes

Coating powders

Determination of leaching rates from antifouling paints

Preparation of steel substrates before application of paints and related products



NEN Netherlands

Paints and varnishes

Terminology

AFNOR France

Coatings systems for masonry



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DIN Standards Committee Coatings and Coatings Materials (NAB)

DIN (NAB) Report of 2017.

DIN Germany

Paints and varnishes

Testing of coil coated metals

Microbiology and leaching of substances

Sampling, conditioning and testing of paints and coatings

Volatile organic compounds

Binders for paints and varnishes

Electrochemical methods

Properties prior to and during application and drying

Properties after application

Coating materials for wind-turbine rotor blades

Test methods for binders for paints and varnishes

Protective paint systems for steel structures

Protective paint systems

Laboratory performance for test methods

Revision of ISO 12944 part 1 until 8



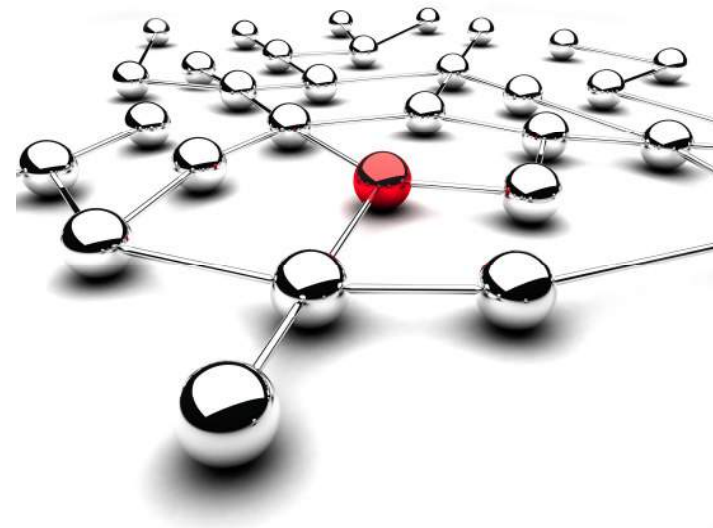
DIN Standards Committee Coatings and Coatings Materials (NAB)

DIN (NAB) Report of 2017.

Concept of standardization at DIN

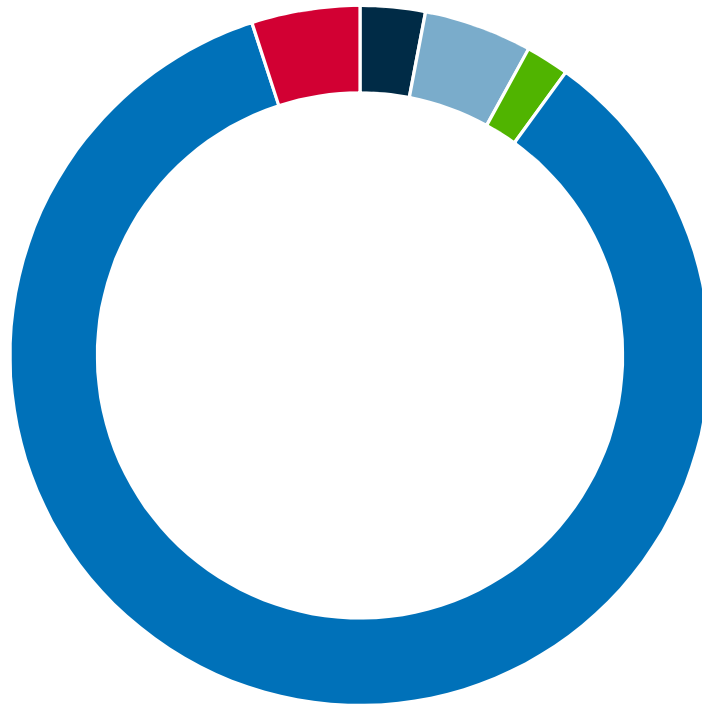
Stages of drafting a standard:

- Application form
- Standard template
- Manuscript for draft standard
- Draft standard
- Statements, objections
- Manuscript for final standard
- Publication of the standard



DIN Standards Committee Coatings and Coating Materials (NAB)

How is NAB composed?



Stakeholders

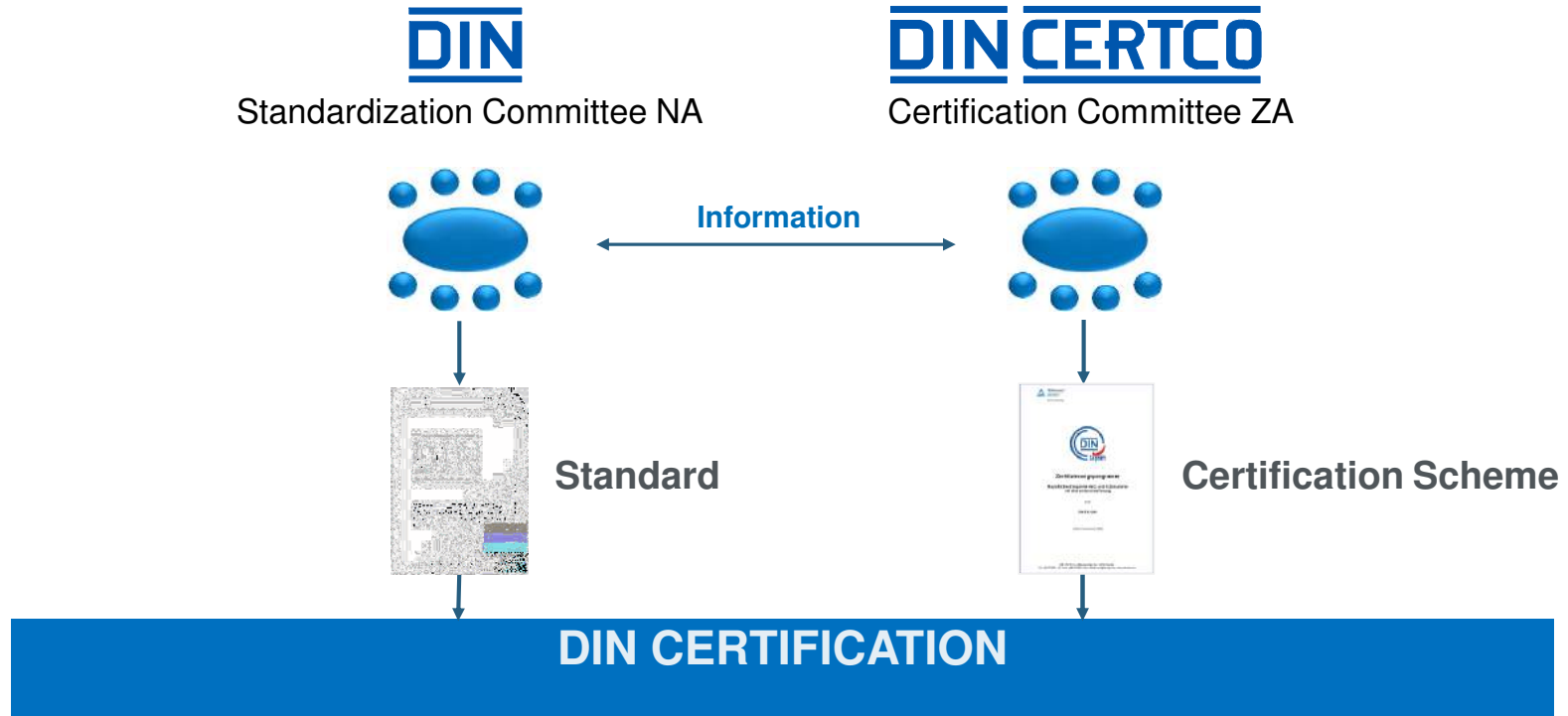
- 3% Users
- 5% Public sectors
- 2% Standardizing organizations
- 85% Industry
- 5% Science and research

Source: www.din.de



Standard and Certification

DIN Committee vs. DIN CERTCO Committee.



Structure for better corrosion protection

Our responsibility organized.



DIN Certification of Persons

DIN certification for your success.

DIN CERTCO Inspector for Corrosion Protection



Elements of Person Certification

Step by step.



DIN-Geprüft Surface Treatment Inspector

International accepted for quality.



Examined and monitored in accordance with the international standard **DIN EN ISO 12944 part 1 until 9** “Paints and varnishes – Corrosion protection of steel structures by protective paint systems” including requirements of **Norwegian Standard NS 476** “Paints and coatings – Approval and certification of surface treatment inspectors”.



DIN-Geprüft mark for conformity with the standards

Proof of educated and examined knowledge and skills.



- Theory of corrosion and corrosion protection
- Corrosivity in the atmosphere, water and soil
- Corrosion behavior of metals
- Cathodic protection
- Anti-corrosion and coating compliant design of constructions
- Surface preparation
- Organic coatings
- Powder coatings
- Application procedure
- Metallic coatings
- Duplex systems
- Corrosion protection selection
- Corrosion and corrosion protection of concrete
- Fire protection of steel
- Quality assurance
- Health and environmental protection



Elements of Person Certification

ID card and certificate for the evidence of DIN certification.



More than 40 years of partnership for industry

DIN CERTCO Gesellschaft für Konformitätsbewertung mbH.



1972

Foundation of DGWK
(Deutsche Gesellschaft für
Warenkennzeichnung mbH)



1995

Renamed to DIN CERTCO



2005

Fusion with TÜV Rheinland



We are for you worldwide

DIN CERTCO networking.



Publishing of certificate holders

Available on a daily basis on www.dincertco.de



Le Résumé

Why the engineering needs standards for better corrosion protection?

- **Corrosion damage** still causes major economic losses
- **Science** is the first step to develop an adequate standard for corrosion protection system
- **Standards** are very important part in the protection system against steel corrosion
- **Standards committees** national and international are the place to develop standards we need today and in the future
- **Education** supports the quality of corrosion protection
- **Person certification** is the key to work together with qualified staff



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Thank you very much for your attention.

We are available for you!

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