



## Standards Topics

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### The 1997 ISO/TC 107 Meetings

**I**SO/TC 107 and its subcommittees 2, 3, 4, 5, 7 and 8 are meeting in Thun, Switzerland, June 23–27. Subcommittee 1, Terminology, will meet Monday. Working Group 1 of SC 1 will report on the progress of the revision of ISO 2080. In previous editions of 2080, only terms for electrodeposition, chemical deposition and mechanical deposition were covered. This revision will cover additional terms for porcelain enamel, thermal spraying, diffusion coatings and hot dip coatings.

In the past, the ISO 2080 definition of a particular term was determined by comparing, where it existed, the term as defined in the individual member countries. Usually, the best “member country” definition was adopted as the ISO definition. Often, however, the definition was the same for all countries—only the term was different. A good example is the familiar term here in the U.S.—“buffing.” This term is also used and understood in Asia, Australia and South America. In Europe and Africa, the term of preference for buffing is “mopping.” In ISO 2080, the term buffing is deprecated in favor of mopping, which is not really significant except that buffing is only fully defined in terms of mopping.

As we become more of a “one-world,” the mistake of defining things in terms of one geographic area over another becomes increasingly significant. Past framers of ISO 2080 forgot about the technical literature that is the foundation of the industry. The terms that authors use in their geographic areas should not be redefined by the ISO terminology standard; rather, it should be documented by the standard.

This new revision of ISO 2080 will list any geographic varieties in the terminology, provide original defini-

tion of terms and fully cross-reference related terms.

Subcommittee 3, Electrodeposited Coatings and Related Finishes, will meet on Tuesday to review proposed revisions to the following standards: ISO 1456—Electrodeposited coatings of nickel plus chromium and of copper plus nickel plus chromium; ISO 1458—Electrodeposited coatings of nickel; ISO 2081—Electroplated coatings of zinc on iron or steel; ISO 2082—Electroplated coatings of cadmium on iron or steel; ISO 4521—Electrodeposited silver and silver alloy coatings for engineering purposes; ISO 4523—Electrodeposited gold and gold alloy coatings for engineering purposes; ISO 4525—Electroplated coatings of nickel plus chromium on plastics materials; ISO 4526—Electroplated coatings of nickel for engineering purposes; ISO 6158—Electroplated coatings of chromium for engineering purposes.

New standards in development being considered are WD 12684—Electroplated coatings of copper for engineering use; WD 14913—Mechanically deposited coatings of tin; NP 15725—Electrodeposited coatings of zinc-cobalt alloy; NP 15726—Electrodeposited coatings of zinc-nickel alloy; and NP 15727—Electrodeposited coatings of zinc-iron alloy.

Being considered for the first time are two new documents: (1) Determination of residual salts, and (2) Test method for simultaneous thickness and electrochemical potential determination of individual layers in multi-layer nickel deposit (STEP test).

Subcommittee 2, Methods of Inspection, will meet on Wednesday morning to review the proposed revisions to ISO 3497—Measurement of coating thickness: X-ray spectrometric methods; ISO 3543—Measurement of thickness: Beta backscatter

method; and ISO 3882—Review of methods of measurement of thickness.

Being considered for the first time will be two new documents: NP 15728—Selection of sampling plans for inspection of metallic and inorganic coatings, and NP 15729—Variable sampling of metallic and inorganic coatings.

Subcommittee 7, Corrosion Tests, will meet on Wednesday afternoon to review progress on two new projects: WD 4524-2—Test methods for electrodeposited gold and gold alloy coatings, part 2; Mixed flowing gas (MFG) environmental tests and determination of porosity in gold coatings on metal substrates: Nitric acid vapor test.

Being considered for the first time will be NP 15720—Porosity in gold or palladium coatings on metal substrates by gel-bulk electrography, and NP 15721—Porosity in gold or palladium coatings by sulfurous acid/sulfur dioxide vapor.

Subcommittee 4, Hot Dip Coatings, will meet on Thursday morning and consider one new project, NP 15719—Hot dip aluminized coatings on fabricated ferrous products.

Subcommittee 5, Thermal Spraying, will also meet on Thursday morning, under the leadership of a new Secretariat. The status of worldwide thermal spray standards will be reviewed, as well as the need for any items for future work.

Subcommittee 8, Conversion Coatings, will meet on Friday morning. One new document will be considered: NP 15730—Electropolishing and passivation of stainless steel.

The main TC 107 committee will meet on Friday afternoon to consider the reports of all of the subcommittees and to review the new requirements and operating procedures set forth by ISO Central Secretariat. **P&SF**