

**Report to the American Wire Cloth Institute
on ASTM Committee E29 Activities
March 15-16, 2018**

ASTM Committee E29 on Particle & Spray Characterization, has three major subcommittees. The AWCI is a member of two, Subcommittee E29.01, Sieves, Sieving, and Screening Media, as well as Subcommittee E29.03, International Cooperation on Particle and Spray Characterization.

This report covers the last meeting November 29, 2017, in West Conshohocken, PA
(the Oct. 9-10 meeting in New Orleans was cancelled due to a hurricane)

Announcements

- The following officers will serve 2 year terms beginning Jan.1 as per the E29 Main elections: Chairman Joe Vasiliou (Thermo Fischer Scientific), Vice-Chairman Trent Smith (Gilson Co.), Secretary Jared Lane (WS Tyler), and Members-at-Large Julie Griffin (Precision Eforming), Ken Beyer (Unique Wire Weaving).
- During the E29.90 Executive & Long Range Planning Meeting, a preliminary study on tortuosity factors as related to filter cloth was presented. It was noted that the GeoDict software may be relevant to provide better prediction factors than the standard 1.65 factor (342/207) offered by SAE ARP901. The initial data based on the ratio of the GeoDict “percolation path length” to the cloth thickness indicates geometric tortuosity factors in the range of 1.30 – 1.35 which may be more appropriate, and which show good correlation to the factors calculated from glass bead test results. However, this could also change the ratings of “established” filter cloth pore sizes. The consensus was this could warrant future study, and the SAE Committee A-6C1 technical contact for ARP901 indicated that E29.01 would be better suited for this task.
- Background research is being done on Standards for material test reports and certifications to initiate ASTM discussions regarding this matter. Currently EN 10204 is sometimes cited for certification requirements particularly from European customers, but the previous ASTM Standard E1904 was withdrawn in 2004 due to lack of support. The question is should there be an ASTM Standard for material certification requirements.

Subcommittee E29.01

- E2016-15, Standard Specification for Industrial Woven Wire Cloth

Current; future 2020 ballot action could include allowing the use of computerized image analysis equipment in Sect. 6.1, Test Apparatus.

- E11-17, Standard Specification for Woven Wire Test Sieve Cloth and Test Sieves

Current; next due for ballot action 2022.

- E2814-11, Standard Guide for Industrial Woven Wire Filter Cloth

An E29.01 Subcommittee Ballot recently approved the revision of E2814 from a Guide to a Specification, and subsequently an E29 Main Ballot resulted in approval as well. The document will now be published as E2814-18 Standard Specification for Industrial Woven Wire Filter Cloth.

- E1638-13, Terminology Relating to Sieves, Sieving Methods and Screening Media

The recent Task Group revision of this master terminology document was just balloted to E29 Main, and will require some minor revisions due to negative votes.

- E2427-13, Test Method for Acceptance by Performance Testing of Sieves

Based on minor corrections, the Standard was just balloted to E29 Main, and will require some further considerations due to negative votes.

- E323-16, E454-16, & E674-16, Standards for Perforated Plate and Sieves

These Standards are all current and will require ballot action in 2021.

- E161-12, Standard Specification for Precision Electroformed Sieves

Ballot E29 (17-02) approved this Standard, and it will be published with a -18 revision date.

Subcommittee E29.03

- E29.03 is the Technical Advisory Group (TAG) under ANSI for the sole U.S. vote on ISO Technical Committee 24 (TC24), Particle Characterization including Sieving.

TC24 includes Subcommittee 4 (SC4) for particle characterization, and Subcommittee 8 (SC8) for test sieves, sieving and industrial screens.

SC8, Working Group 1 (SC8/WG1) is responsible for ISO 3310 Test Sieves, and Working Group 2 (SC8/WG2) is responsible for ISO 9044 Industrial Woven Wire Cloth.

Both these documents are now currently published with 2016 dates.

Future ASTM E29 Meetings

April 25-26, 2018; Hampton Inn, Amelia Island, FL

October 22-23, 2018; Washington Hilton, Washington D.C.

April 2019; T.B.D.

October 21-22, 2019; Marriott Marquis Houston, Houston, TX

October 26-27, 2020; Renaissance Orlando at SeaWorld, Orlando, FL

Respectfully submitted,

Ken Beyer

AWCI Representative to ASTM E29

ASTM E29.01 Sub-Committee Secretary