

Part 2 - Update on ISO/TC 39 /SC10 (International machine tool safety standards) activity (this is Part TWO of a three part series on current / relevant consensus standards activity)

This subcommittee was formulated to develop ISO machine tool safety standards by developing existing European safety standards (the CEN equivalent to ANSI B11) to become ISO standards via the Vienna Agreement. Two of these seven Work Groups have completed their standards development activity (WG3 and WG5) with all remaining Work Groups nearing completion of their work.

Working Group 1 – Safety for presses (ISO 16092 Parts 1-5). WG1 is combining the general requirements for mechanical, hydraulic and pneumatic presses while keeping specific requirements for the specific machines. A multi-part standard is envisioned with Part 1 = General requirements; Part 2 = mechanical; Part 3 = hydraulic; Part 4 = pneumatic; and Part 5 = electric (servo) drives. The tenth meeting was held mid-October in Freiburg to resolve numerous comments submitted on Parts 2 and 3. As part of an effort to resolve the issue of addressing folding machines, an interesting proposal was made for consideration of a second multi-part standard on sheet metal machines to include Part 1 = General requirements; Part 2 = power press brakes; Part 3 = shears; Part 4 = folding machines; and Part 5 = roll forming machines; but no decisions were taken. In addition, the ad hoc group on servo drives presented their recommendations for consideration/inclusion in Part 5. The next for meeting will be held In Toronto in March.

Working Group 2 – Safety for grinding machines (ISO 16089). A likely 'final' meeting was held mid-September in Berlin and an FDIS will be forthcoming soon; the U.S. TAG will vote on this FDIS and more importantly, decide whether to consider some form of adoption of this new ISO standard as an American National Standard and how that might impact ANSI B11.9-2010.

Working Group 3 – Safety for turning machines. ISO 23125 has already been published which included over one dozen normative references to EN standards. A meeting to amend the standard to address this deficiency has been postponed several times, however with new WG leadership, an amendment ballot is currently circulating. As with WG2, the U.S. will have to determine how this might impact our American counterpart standards (ANSI B11.22 and ANSI B11.6).

Working Group 4 – Safety for machining centers (ISO 16090). This effort began in November 2012 and has recently completed the CD stage of balloting, with their fifth meeting scheduled in mid-October in Frankfurt to review/resolve comments.

Working Group 5 – Safety for EDM machines (ISO 28881). There are no U.S. manufacturers of EDM machines, and the U.S. has no participation in this activity. The ISO 28881 standard was approved in Q1 2013, and ISO/TR 17529, a new TR on EDM Risk Assessment, has been approved and published in Q3 2014. The B11 ASC has yet to make a decision on whether or not to do adopt this ISO standard as an American National Standard.

Working Group 6 – Safety for sawing machines (ISO 16093). The fifth meeting (Frankfurt) concluded in early October to resolve the 118 comments submitted on the Draft International Standard (DIS) stage.

Working Group 7 – Safety for rotating high speed cutting tools (ISO 16084 "*Machine tools - Requirements for balancing of rotating tool systems*"). This work is under a joint work group of experts from ISO/TC 29/WG 37-"*Balancing of rotating tool systems*"; ISO/TC 39/SC 10/WG 7 "*Rotating high speed cutting tools*"; and CEN/TC 143/WG 7 "*Rotating cutting tools for high speed machining — Safety*." They held their inaugural meeting December 2011 in Dresden. A second meeting scheduled for July 2012 was postponed but after several web meetings, was eventually held in June 2014. They are expected to go to the Draft International Standard (DIS) stage soon; there is currently no U.S. participation and apparently no interest.

If you have an interest in participating in any of these meetings/Work Groups, or would simply like more information, please contact David Felinski at (dfelinski@B11standards.org)