

**Public Comment
Manufacturing Standard**

Manufacturing Exhibit 1

Date Submitted: January 3, 2017

Mark Pier, Educator

The new standards concerning the classes I teach Welding Technology, Advanced Welding Technology, and Mechanical Drafting and Design, all match what I am doing in my classes.

Manufacturing Exhibit 2

Date Submitted: January 4, 2017

Paul Streff, Educator and Business & Industry Representative

The proposed revision is better organized and easier to interpret the intent of the course. I like the fact that the standards give the teachers some flexibility to meet the objectives in a variety of ways.

Manufacturing Exhibit 3

Date Submitted: January 4, 2017

Travis Peterson, Postsecondary Faculty

The new standards that are being recommended are part of an introduction in manufacturing education that will finally be recognized nationally. In past curriculum the basic skill block being taught was more of a curriculum that was introduced from an experienced path way versus one that can be accredited through a worldwide recognition. Introduced new pathway would be understood universally with all educators and industry recipients. The new curriculum noting national recognized organizations such as the American Welding Society and curriculum from Hobart Welding Technology is universally a step in the right direction. These applications being applied to the advanced manufacturing curriculum is the perfect place for the upgrade.

Manufacturing Exhibit 4

Date Submitted: January 4, 2017

Christopher Benshoof, Educator

I have a few concerns for the standards review.

1. Why was only one member of industry in the group when it says we are aligning to industry standards?

2. Why are we emphasizing on SMAW and drafting in welding when it was labeled a non used skill in industry. They are still used in agricultural just not as much in industrial.

3. I have already asked questions about your plan with OSHA 10. How is it going to be payed in the budget? Also we are saying AWS introductory certification. Who is paying for the testing at an approved facility?

These are just a few of the concerns I have come up with that would need more clarification. Otherwise, the team made a great product for standards. Thanks for the good work.

Manufacturing Exhibit 5

Date Submitted: January 4, 2017

Tom Rogers, Educator

The new welding standards look good and I appreciate all the hard work that everyone put into the new standards. I like that the standards are tied with AWS. By using AWS standards and welding numbers all welding instructors across the state can access these documents and we can all be on the same page as far as what are welding students should be taught. I also think by using AWS or OSHA as Industry Certifications for safety for our students again everyone that teaches welding has access to using these as tools to get students certifications. I believe by using AWS the quality of welders that we produce at the high school will only benefit the Technical schools and Industry. The better prepared our high school students are in the field as welders can only help when they get to a Technical school and how much farther our Tech Schools can advance theses students.

Manufacturing Exhibit 6

Date Submitted: January 6, 2017

Bret Johnson, Educator

We presented the standards to our local advisory committee members and they liked what was being presented. The mechanical drafting standards are spot on and a great tool to use in my classroom as they follow the ADDA national standards. Job well done standard committee!!

Manufacturing Exhibit 6

Date Submitted: January 12, 2017

Justin Whitehead, Industry Representative

I believe that these updated standards will provide a consistent pathway for students to succeed in postsecondary education or industrial careers. The standards committee was well represented by teachers from across the state, technical school educators, entrepreneurs, and industry which agreed on a course structure that was obtainable, met the challenges of today's workplace, and was valuable to the students.

Manufacturing Exhibit 7

Date Submitted: January 8, 2017

Response to Exhibit 4: Manufacturing Work Group Members

1. Why only one member of industry in the group when it says we are aligning to industry standards?

The manufacturing work group included three members from industry, including two teachers who also operate their own welding and machine shops. In addition to their participation, a wide range of industry representatives were consulted prior to and after the work group met to ensure the revised standards were in alignment with their work. Many of the industry representatives were unable to participate in the work groups because their work schedules did not allow them to be away when the work groups met.

2. Why are we emphasizing on SMAW and drafting in welding when it was labeled a non used skill in industry. They are still used in agricultural just not as much in industrial?

(SMAW is still used in the construction industry or for remote welding projects. Industry representatives from Trail King in Mitchell also indicated they still use the process in some of their manufacturing.

3. What is the plan with OSHA 10. How is it going to be paid in the budget? Also we are saying AWS introductory certification. Who is paying for the testing at an approved facility?

Safety is the standard within the course. OSHA 10 and AWS safety curriculum are ways to teach the standard. These were only intended as examples, but they are what industry asks for. Schools pay for these certifications in a number of different ways. Some schools require the student to pay the cost while others work with industry partners to cover the cost for students.