

Accessing ASABE WEB site including Technical Library

The American Society of Agricultural & Biological Engineers is a professional society for those involved in Agricultural and Biological engineering. We require students designing, constructing and exhibiting projects in the Junior Agricultural Mechanics (JAM) project show to provide the most current ASABE Standards in their documentation that are related to their projects. For example any machine or equipment that attaches to a tractor must meet the design dimensions of a three point hitch (Standard S217) or if the machine uses the PTO of a tractor it must meet the Standards found under number 500. We require the latest revised standard to be used. For example the PTO Standard was revised in 2010 and is now numbered 500.

Educational Goals of JAM indicate that our primary goal is to encourage and facilitate learning. We require students to access the ASABE WEB in order to learn how to search and use documents found in professional engineering society libraries. When students have conducted this research they will then print out the document and include it in the Documentation Package required for all JAM projects. We require the student to search for and download the documents as opposed to us providing documents on the jamshow.org web site because we are encouraging the extra research activity of searching for the document.

ASABE provides Texas Students and Teachers each year the monthly codes and Password to download a PDF file of those documents from their WEB site that are relevant to the project being built and exhibited. Our JAM judges may ask the exhibitor/s questions regarding information found on the Standard – for example What are the Categories of Three Point Hitches or What is the Mast Height Dimension? Dimensions are given in SI units and the students will want to convert them to inches when they design and build their project. A short description of the three point hitch standards and conversion coefficient is found on the jamshow web page (Document is referred to as *Three Point Hitch Dimensions*) It should be evident that standards are developed so that machinery of all brands are compatible with all tractor models and makes.

PROCEDURE

1. Click on ASABE link on <http://jamshow.org> or enter <http://asabe.org> on your browsers top menu box.
2. Choose Publication at the top of the ASABE home page.
3. Select (click on) Technical Library on top left side of page.
The ASABE Technical Library page will appear.

- a. Next to the *Category Box* is a down arrow key. By clicking on the arrow different options will appear. If you are interested in finding a standard – select Standards
 - b. There are five different methods for searching for the document you are interested in. If it is a standard and you know the number – enter it. For example S217 for PTO standard or 500 (Do not put a S in front of 500 because they are still under revision.) for Three Point Free Link hitch (Note: this standard was revised in 2010.) You may be interested in other types of documents and you may want to use a key word or Title to look for them. Reminder: You must have the most recent Standard in your documentation package.
 - c. After selecting Document Number - a check will appear in the box - type in the document number in box labeled: *with the exact phrase*:
 - d. Click on GO
4. All Journals or Documents titles with this number will appear.
 - a. Click on Download PDF under the title of the journal you interested in. An abstract of the document will be displayed.
 - b. You will want the entire document so *click on the title*.
 5. The next page to appear will provide a box for you to enter ASABE Membership Number: enter the monthly code provided to you at summer conference. Codes were provide for each month of the current year. If you do not know the monthly code please e-mail tractor@lonshell.com and the monthly code will be provided to you. Ignore the instruction to enter M in front of the number. The box under the monthly code requires a Password. The password is the year for example 2011.
 - a. Be sure to uncheck the box by *Remember me on this computer* because it may cause you problems when you try to enter in later months.
 - b. Also you will need to click on the box that indicates that you understand the materials you are accessing are copyrighted.
 - c. The get the PDF document click on Log In (box at bottom of page) The PDF document should appear so you can read, save and/or print it out.
 6. If you are interested in getting another document, click on the back arrow icon located at the top left corner of the browser page. Continue to click on this arrow to get back to where you have an opportunity to search for another document. This will save you time from having to start the entire procedure over each time you are doing multiple searchers. If you get out of the program by clicking on box with the red X you will need to go through the entire procedure again for each search.