1.Engineering standards are important because engineers are not lone wolves. They need to work with other people if they want to solve hard problems.

2.

730-2014 - IEEE Standard for Software Quality Assurance Processes

This standard is for Software Management. It is meant for people who have long term project goals.

61691-1-1-2011 - IEC/IEEE International Standard - Behavioural languages - Part 1-1: VHDL Language Reference Manual

This is the reference manual for VHDL. It is intended to be used by advanced hardware designers and VDHL language implementors.

IEEE Standard for the Scheme Programming Language: This is a specification for the Scheme Programming Language. It is supported to be a documentation that Scheme implementors can use implement and verify that there implementation conforms to the Scheme standard.

3.The standard that one of my team members chose which I didn't that stood out to me the flating point standard. We will be using this standard once our programming language can bootstrap itself because we will not be snarfing the floating point features from the underlying implementation language ©.

4. The standard for the Scheme programming language is the most important standard that will help us with our project because the back-end of our language is going to be a Scheme implementation.

5. We have been been following a quality assurance standard, so we don't need to add anything new to the quality assurance section on our project plan.

Even though we have not designed a syntax for our language; after skimming the VHDL Reference Manual, we have decided that the statements of our language will end in semicolons.

We intend to make a lot of modifications to our project plan based on the Scheme Programming. For example, our implementation does not implement the null list or the derived expressions. These are things we will need to add to our language.