Standards

Standards are ways of doing things that apply to specific aspects of products. They are used to make sure that products work together (example: computers work with printers, internet, mousepads, and other attachable objects). There are many forms of standard procedures including: safety, communications, programming languages, and connector standards.

* Safety
  + ISO 13849-1
    - Control Systems
      * <http://www05.abb.com/global/scot/scot209.nsf/veritydisplay/f282e8fb773fa733c1257996004307a6/$file/en_iso_13849-1_2tlc172003b02002.pdf>
  + UL 817
    - Cord Sets and Power-Supply Cords
      * This is a possible standard. Things could develop during this project where this standard would then become obsolete.
  + UL 94
    - Tests for Flammability of Plastic Materials for Parts in Devices and Appliances
      * Possible standard if this project uses plastic materials
  + UL 746C
    - Polymeric Materials - Use in Electrical Equipment Evaluations
      * Possible standard if this project uses plastic materials
* Communications
  + IEEE 802.11-2012
    - Standard for Wireless Radio
  + IEEE 802.15.1 (no longer maintained)
    - Standard for Bluetooth Technology
      * Used for Bluetooth Transmitter/Receiver
  + IEEE 802.11g
    - Amendment to Wireless Radio Standard
      * Used for Arduino Shield
  + IEEE 802.14.4
    - Standard for low-rate wireless personal area networks (LR-WPANs)
      * Used for IR Blaster
  + USB 3.0
    - Standard for USB connection (backwards compatible with 2.0)
* Programming Languages
  + ISO/IEC 9899:2011
    - Standard for C Language
* Connector Standards
  + SPI (Serial Peripheral Interface)