International Science and Engineering Fair 2020
Overview of Rules Changes
May 30, 2019

General
- Expanded Ethics Statement
- Roles and Responsibilities of the Students and Adults has been rewritten and reformatted
- Added Responsibilities for Qualified Scientist and Designated Supervisor
- Clarified PHBA rules
- Revised "Engineering Projects Guide"

Human Participants
- Pg. 9, Rule 6: Students are prohibited from independently diagnosing disease, administering medication and/or performing medical procedures.
- Pg. 9, Rule 1 of Human Participant Involvement in Student-designed Invention, Prototype, Computer Application & Engineering/Design Projects: IRB review and pre-approval is necessary when the student-designed invention, prototype, application, etc. is tested by human participants other than the student researcher(s) or a single adult guardian, adult sponsor/QS/DS when the testing requires an adult tester.

PHBAs
- Pg. 14, Rule 8: insertion of antibiotic resistance markers for the clonal selection of bioengineered organisms is permitted, with the following exceptions:
  o Students are prohibited from the insertion of antibiotic resistance traits...
  o Students are prohibited from designing or selecting for multiple drug resistance organisms...

Engineering Projects Guide
- Changed section heading from "Human Participants" to "Device Testing with Human Participants"

Ethics Statement
- Expanded Ethics Statement:
  o Addresses integrity, legality, respect for confidentiality and intellectual property, and stewardship of the environment.
  o Student researchers, as well as adults who have a role in their projects, are expected to maintain the highest ethical standards.