



Protocols for Assessment of Breakthrough Energy Technology Performance Claims

Statement of Purpose

Inventors and researchers of breakthrough energy technologies often are insufficiently equipped in terms of instrumentation and scientific understanding to properly measure the technical performance attributes of their technology. As a result, many such inventors and researchers put forth performance claims for their technology that are inaccurate. Such faulty performance claims may arise from a sincere belief on the part of the inventor or researcher that the employed measurement instrumentation and techniques and resultant data are technically sound. In other instances, performance claims are intentionally exaggerated in the perpetration of fraud. There is need for a standard set of technical assessment protocols that will enable inventors and researchers to properly measure and establish their performance claims, and enable vetting entities to verify such claims.

The expected outcome of development and deployment of a standard set of technical assessment protocols in the breakthrough energy field is a vast reduction in the proliferation of non-meritorious technologies and associated inaccurate performance claims. As a result, a great deal of time and resources will be conserved by the inventor/researcher community, vetting entities, and prospective investors. It is expected that a more concentrated stream of technologies-of-merit will therefore be propagated, speeding the entry of valuable new breakthrough energy technologies into the marketplace and public domain.

Protocol Development Technical Committees

A qualified body of technical professionals shall be assembled into protocol development technical committees, with each committee responsible for development of a technical assessment protocol for a particular form of energy that may be used or produced in an energy generating device. The energy categories are as follows:

- Electrical
- Magnetic
- Thermal
- Mechanical
- Chemical
- Nuclear

A specific protocol may draw partly or wholly from an existing well-established protocol if the committee deems it appropriate for the stated purpose. In addition, a section titled “Common Errors” shall be provided which draws upon the direct vetting experiences of numerous professionals who have investigated and de-bunked performance claims of various energy-producing devices. This unique section will provide very practical, experience-based insights about common mistakes made by inventors when establishing their performance claims.

The individuals comprising a specific committee shall, at a minimum, have practical experience with the proper instrumentation used for measurement purposes in the associated energy category. Ideally, committee members shall also have practical experience with energy generating devices that use or produce that form of energy. Candidates for committee membership shall provide a written summary of their qualifications to the Protocol Development Coordinator.

Each committee shall be comprised of a minimum of three and a maximum of nine committee members. Committee members shall be appointed by the Protocol Development Coordinator on a first-come-first-served basis. Once the minimum three committee members have been appointed, protocol development meetings may commence. Additional committee members may be appointed throughout the term of protocol development. A committee chairman shall be selected by the respective committee members. The chairman shall be responsible for establishing a protocol development deadline, scheduling protocol development meetings, assembling written protocol standards, and reporting progress to the Protocol Development Coordinator on a bi-weekly basis.

Technical Assessment Protocol Outline

1. Title: **Protocol for Assessment of Performance Claims – (Energy Form)**
2. Table of Contents
3. Protocol Development Technical Committee Members
4. Statement of Purpose (same as on Page 1 of this document)
5. Glossary of Terms
6. Instrumentation Required
7. Instrumentation Calibration
8. Safety Precautions and Hazards
9. Test Procedure 1 – (Title of Procedure)
10. Test Procedure 2 – (Title of Procedure)
11. Test Procedure X – (Title of Procedure)
12. Data Reporting and Statistical Analysis
13. Common Errors
14. Additional Considerations