SUSTAINABILITY

ENVIRONMENTAL TECHNOLOGY VERIFICATION APPLICANT INFORMATION

Environmental Technology Verification (ETV) is a process designed to verify environmental performance claims. A new International Organization for Standardization (ISO) standard, *ISO 14034,* standardizes the ETV process globally.

ETV can help your business by providing clear and precise environmental performance claim verification, helping to reduce procurement risk and serves as a means to highlight your environmental performance. With ETV, each technology is assessed against its own characteristics, based on your performance claims with tests defined on a case-by-case basis. This differentiates ETV from certification and labeling schemes, which are based on pre-defined criteria or specifications.

ETV offers a mechanism to develop references in a market where no standard currently exists, especially for new technologies. Therefore ETV is applicable in particular for technologies whose innovative features or performance are not fully reflected in existing product standards.

Performance Verification:

The verification of a product's performance claim involves the confirmation of a quantifiable claim supported by reliable data. This involves working closely with technology innovators and qualified testing organizations. Following *ISO 14034,* a verifier assesses the integrity of supplied data and the validity of the associated performance claim(s) based on this data. The following chart outlines some of the key steps in the ETV process.

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THE VERIFICATION PROCESS:

APPLICATION & REVIEW

The technology undergoes a preliminary screening to determine if it meets minimum eligibility requirements for verification. For a technology to be eligible:

- It must be an environmental technology;
- The performance claim should be measurable;
- The applicant should own the intellectual property of the technology to be verified, or can obtain a written permission from the owners to pursue the verification; and
- The technology must be currently commercially available or commercially ready for full-scale application.

If the applicant feels their technology meets these criteria, the applicant submits an application which is reviewed to confirm eligibility and feasibility and to resolve any conflict of interest which may exist between the applicant and the verifier.

When the technology and performance claim are deemed eligible for verification, the verifier reviews the application for completeness and determines if the verification can proceed further.

VERIFICATION

The verifier reviews the available test data to determine if it is adequate for verification. If it is adequate, the verifier analyzes the data to determine if the performance claim is adequately substantiated. If the data is not adequate, the verifier consults the applicant to determine what additional data should be generated.

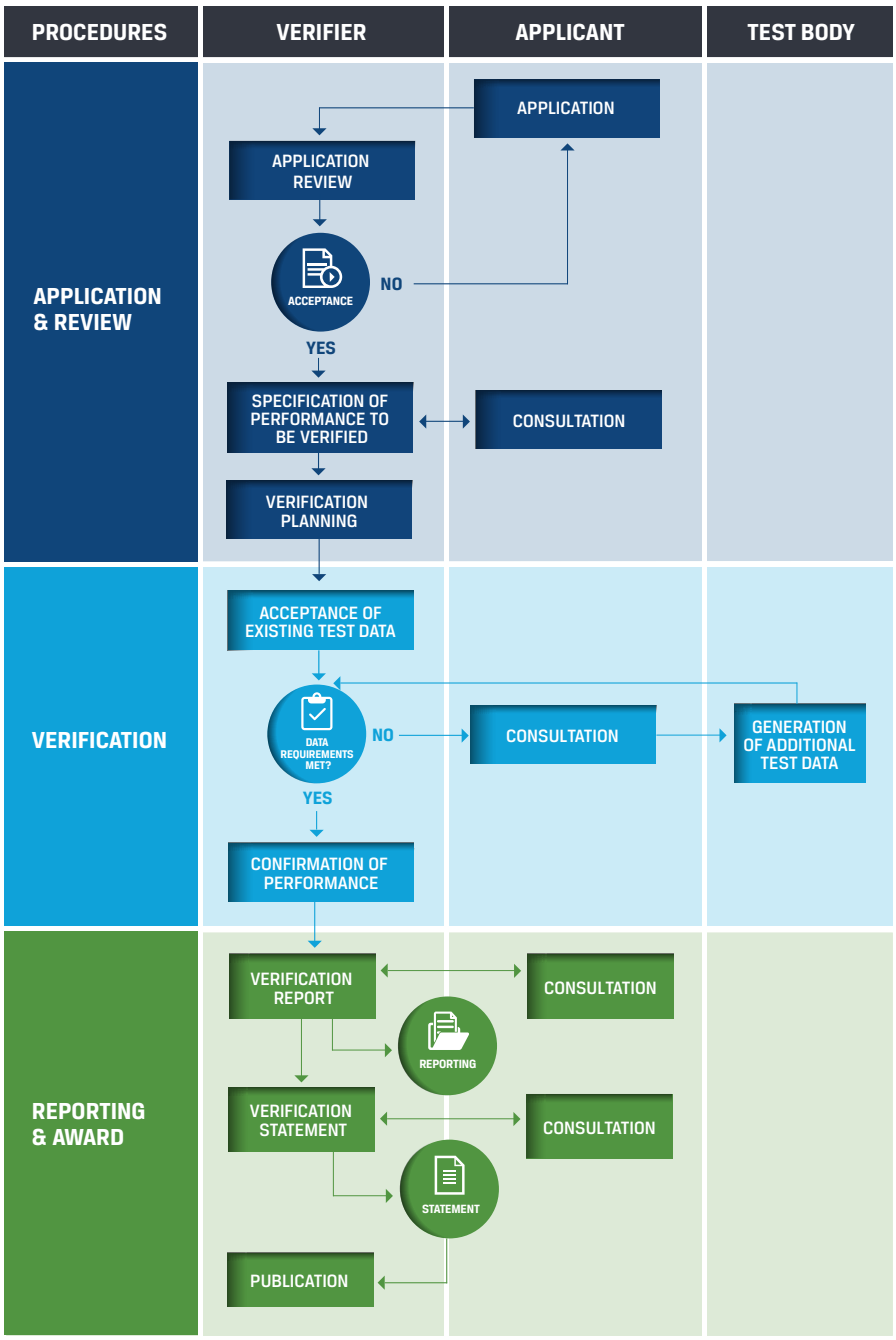
At the conclusion of the verification, a verification report and a verification statement are produced by the verifier. The report provides a detailed record of the verification and the statement summarizes the verification report. Both the verification report and statement are submitted to the applicant for review and comment.

REPORTING & AWARD

If the applicant's performance claim is substantiated, the technology will be considered in compliance with *ISO 14034* and the applicant receives:

- A final Verification Report; and
- A Verification Statement (technology fact sheet).

THIS CHART SUMMARIZES **THE KEY STAGES IN THE VERIFICATION PROCESS** AS DEFINED IN *ISO 14034*.



LEARN MORE:

Join the ETV section of the CSA Communities to learn more about *ISO 14034*, participate in related discussions and receive the latest news. Visit: **csagroup.org/communities**

To learn more about the ETV verification process, begin your ETV screening application, or search the inventory of verified technologies please visit: **etvcanada.ca/**