



**CSA
Group**

CSA Group Fast-track Standards Initiative

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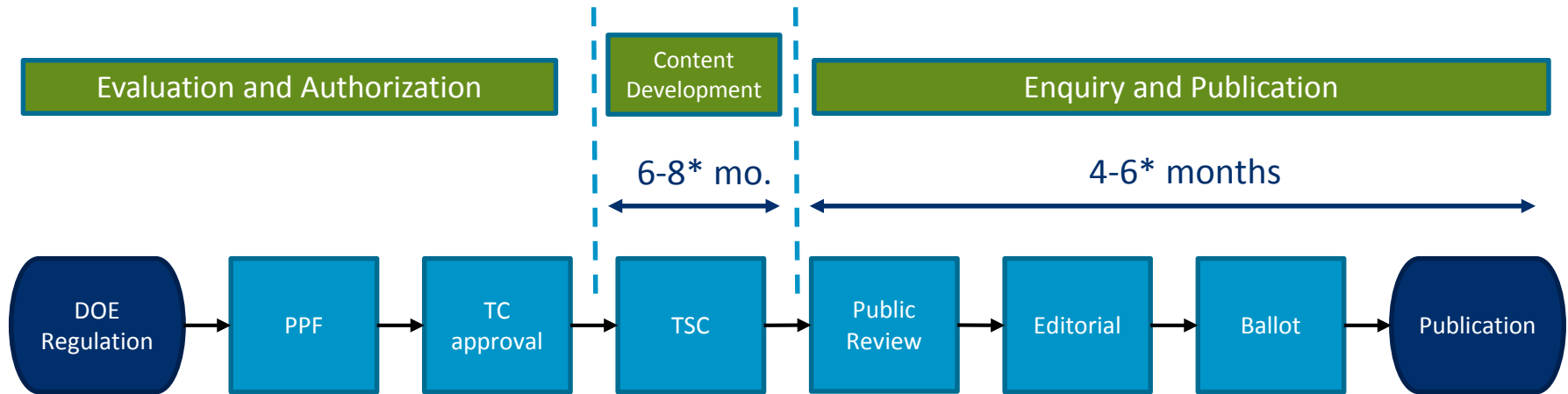
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Contents:

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Scope:

- To develop an accelerated standards development process(s) in support of Canada/US regulatory alignment of Energy Efficiency regulation under the direction of the Regulatory Cooperation Council (RCC)
- Applicable to harmonization projects with no/minor proposed technical Canadian deviations (i.e. Path 1)
- Satisfy CSA's accredited standards development process
- Comply with CSA standards development Directives

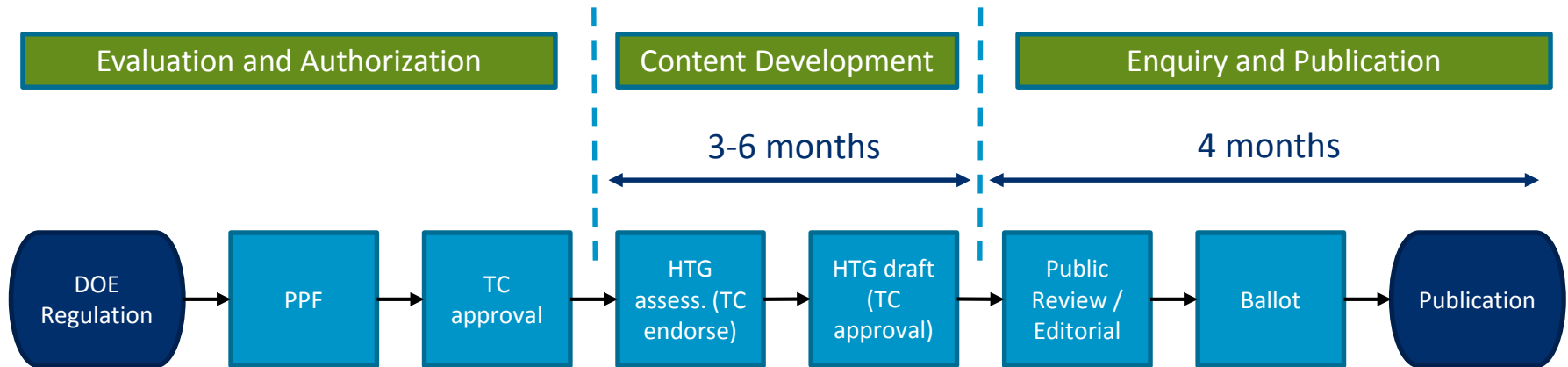


** Historical avg. project duration for amendments and new editions under Path 1 harmonization*

Opportunities:

- Eliminate development by Technical Subcommittee (TSC)
 - establish smaller “working group” to assess/review proposed DOE requirements during content development phase
 - ensure seamless “approval/ballot” by the Technical Committee (TC)
- Explore overlap of phases

Proposed RCC Path 1 Process



Features:

- Early involvement & oversight of Content Development phase by TC
- Utilize a harmonization task group (HTG) to develop content
 - small group of stakeholders able to assess proposed DOE revision(s)
- Use of seed document
- Overlap of Public Review (PR) & editorial phases

Proposed Pilot Project:

- New edition CSA Standard: C819 *General service fluorescent lamp*
- Objective: Alignment of scope, energy efficiency requirements & test procedures with DOE

Process & Results:

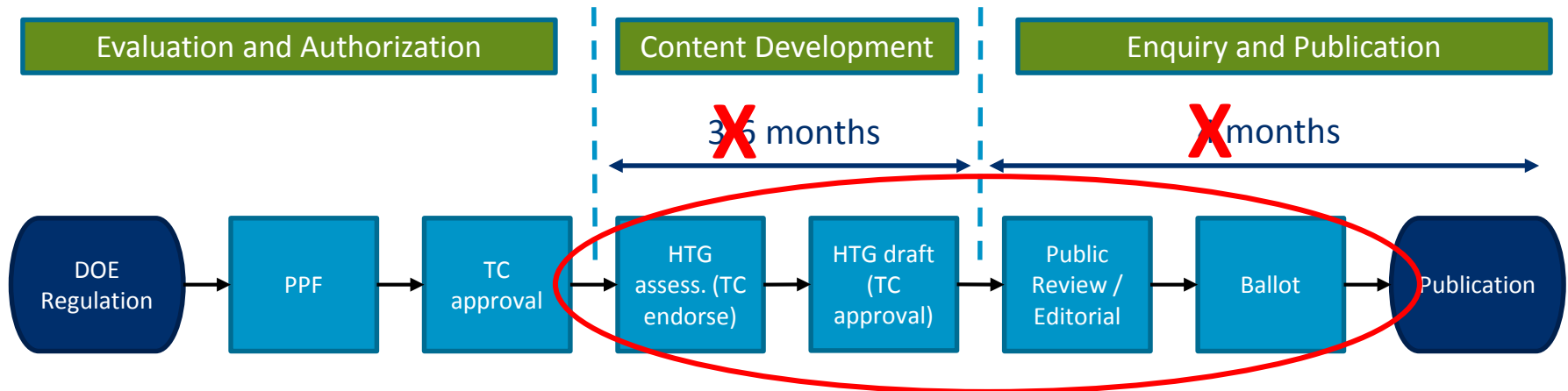
- HTG members: NRCan, Hydro Quebec, Hydro One, GE Consumer & Industrial, Consultant, Lumispec Consulting, BC Hydro
 - Technical & non-technical review; mandate with a view towards regulation
- Seed document required
- 60 day PR – overlap with editorial phase
- PR/ballot comments: 14 received with 1 negative (non-germaine)
- Development time **~8 months**
 - 1st meeting of HTG: October 7, 2015
 - Publication: June 14, 2016

“Simple Amendment” Process

...but what if further acceleration is needed?

Proposed Path 1 Project:

- Amendment to CSA C390-10 *Test methods, marking requirements, and energy efficiency levels for three-phase induction motors*
- Objectives:
 - Alignment of scope, energy efficiency requirements to include 8-pole motors
 - Further reduction in development time from RCC Path 1

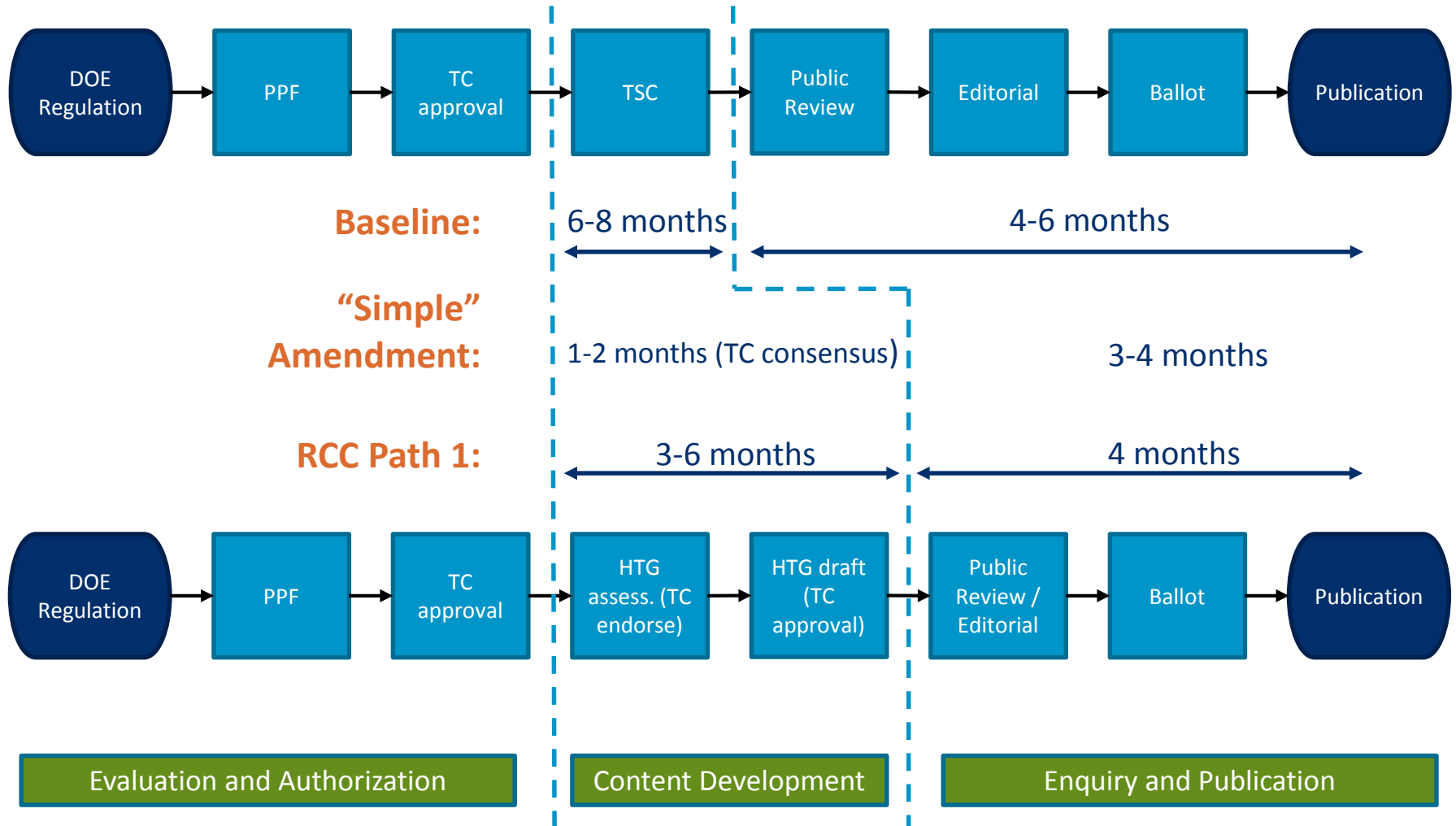


“Simple” Amendment – introduction of a minor “technical” change that does not require the expertise of a HTG/TSC but must still represent the consensus of the TC. In addition, it must meet the criteria of an Amendment (1/3 rule, 3 max.).

Process & results:

- Review committee: CSA Technical Committee on Industrial Products, C402 (many motor experts)
 - no HTG, but same mandate
- No seed document required
- Active management of overlapping phases during Enquiry & Publication
- PR/ballot comments: none
- Development time ~5 months
 - 1st meeting of TC402: June 17, 2016
 - Publication: November 11, 2016

Summary of Path 1 Processes



Future Work RCC Items



| Timing | Standard | Process |
|-------------------|---|------------------|
| Under development | External power supplies (C381.1) | Path 1 |
| | Battery charging systems (C381.2) | Path 1 |
| FY17-18 | Refrigerated vending machines (C804) | Path 1 |
| | Walk-in coolers (C296) | Path 1 |
| | Packaged terminal AC/HP (C744) | Simple amendment |
| | Large single pkg. vertical AC/HP (C746) | Path 1 |
| | Household ranges (C358) | Path 1 |
| | Refrigerators (C300) | Simple amendment |
| | TV's (C382) | Path 1 |
| | Dehumidifiers (C749) | Path 1 |
| | Ceiling fans (C814) | Path 1 |

Keys to Success:

- Education & awareness of CSA TC and members
- Early engagement and oversight by the TC
- Effective utilization of a HTG (or other) in place of the TSC
- Properly developed seed document (in CSA document format) where applicable
- Overlap of phases
- Effective communication

Thank you / Merci Beaucoup!



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