



ISO/TC 197  
Hydrogen technologies

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**WG 26 letter TC197 re skip CD, go to DIS 22734**

Document type: CD ballot

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Background: This document is the justification letter that ISO/TC 197 received from WG 26 Convenor (Larry Moulthrop) requesting to skip the CD 22734 Ballot and to proceed directly to the DIS 22734 Ballot.

Committee URL: <http://isotc.iso.org/livelink/livelink/open/tc197>



2017.11.02

Parent committee, ISO TC197  
Mr. Jim Ferrero, Secretary

**Subject: Proposal by WG26 to skip CD, proceed to DIS, ISO 22734 2<sup>nd</sup> edition**

Dear Chairman Tchouvelev and ISO/TC197 parent committee,

Working Group 26 is preparing the harmonized second edition of *ISO 22734, Hydrogen generators using water electrolysis process – Industrial, commercial, and residential applications*. This second edition cancels and replaces the first editions of Part 1 (*ISO 22734-1:2008*) and Part 2 (*ISO 22734-2:2011*), which have been combined and technically revised. The technical revisions add Alkaline Exchange Membranes to the document scope, update Normative references, clarify pressure terminology definitions, and simplify Risk Management requirements. This 2<sup>nd</sup> edition is reorganized into 7 chapters, where all design requirements are now found in Chapter 4, and all test methods are now found in Chapter 5.

**On behalf of WG26, the convenor proposes to skip the optional Committee Draft (CD) phase and proceed directly to a Draft International Specification (DIS) document and ballot.** Our WG26 experts have worked in harmony to prepare a high-quality document with no outstanding issues remaining. By skipping the CD phase, we can avoid expending additional time and effort and deliver this needed 2<sup>nd</sup> revision to our community within our original 36-month target schedule.

To prepare this proposal, the convenor sought the consensus of WG26 experts to proceed and incorporated editorial recommendations by the TC 197 Secretary in the latest document draft. Additional guidance for this proposal is taken from *Annex SS of the Consolidated ISO Supplement*. WG26 experts understand the decision to skip the CD ballot is made by the TC 197 parent committee through a four-week committee internal ballot (CIB), or at a TC197 meeting.

**Justification to skip CD and proceed to DIS:**

Our latest 2<sup>nd</sup> edition draft meets our WG26 charter goals of harmonization, technical revision, and document improvements and is of high quality. Of course, we started our work from the good foundation of the 1<sup>st</sup> edition Part 1 and Part 2 standards that reflect most known stakeholder views. The 2<sup>nd</sup> edition standard draft now benefits from learnings of first edition users who submitted comments on risk assessment, pressure terminology, normative references, unsupported design requirements in the test section, and document organization.

P-members with a major interest in the standard have submitted comments and have participated in the three in-person/ teleconference meetings held. In these meetings,



WG26 experts completed disposition of all WD comments [N011] and Task Group report recommendations, drafted consensus text for pressure terminology, drafted and consolidated risk assessment requirements, and assured that all test requirements were linked to corresponding design requirements. Three Task Groups delivered strong proposals on risk assessment, pressure terminology, and normative reference updates that greatly advanced our work. Copies of these TG reports, iterations of the WD, and dispositioned Compellation of Comments have been circulated within WG26 throughout our work.

Per the recommendations by Japan, the document is reorganized to collect all design requirements into a new Chapter 4. Corresponding tests are now found in Chapter 5. This improves the document substantially, and reduces the chapter count from 12 to 7.

The TC 197 Secretary has recently provided a positive preliminary review of a draft document. His constructive recommendations on formatting, references, bibliography, and notes have been implemented in accordance with *ISO/IEC Directives, Part 2 Principles and rules for the structure and drafting of ISO and IEC documents*. This has produced a document of high quality, suitable to prepare for DIS vote.

WG26 believes the 2<sup>nd</sup> edition revisions will enhance efforts by existing and new packaged water electrolysis system stakeholders to attain product certification and permitting with greater ease, while continuing to assure high product safety levels. Use of water electrolysis in existing enterprises such as chemical processing, materials processing, and utility power generation continues to grow economies world-wide, while newer enterprises such as H2 vehicle fueling and renewable energy power-to-gas may well benefit the global need to positively and simultaneously address climate change and economic growth. The need for our document is as strong as when our work started; we look forward to delivering a high-quality document, on time, as promised.

On behalf of WG26, thank you for considering our proposal. If approved, we look forward to a DIS circulation and a DIS vote in early 2018.

Respectfully,

Larry

**Larry Moulthrop**, Convenor WG26  
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