

# CHS S-101 Strategy

USCHC 47, St. John's NL, May 30-31



# Background

- S-101 is legal on January 1<sup>st</sup>, 2026
- S-100 testbed in summer 2025
- Initial conversion strategy
  - Full migration of CHS Source data to S-101 in 2024
  - Dual-fuel production in 2025
  - Full portfolio available in both S-57 and S-101 in 2026

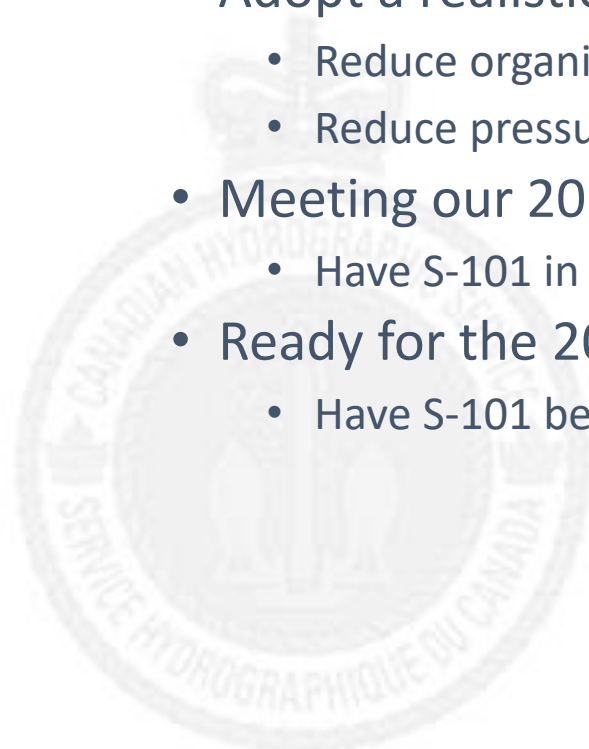


# Challenges

- **The S-101 standard is not yet approved by the IHO**
- Quality control tests are not yet fully defined.
- The production and quality control software are not yet ready (HPD, dKart Inspector/7Cs Analyzer).
- The software have not yet passed through the IT acceptance loop.
- Staff is not yet trained on the new software.
- Staff is not yet trained on the S-101.
- The regional integration and production teams are already working on transformation projects (comparative validation, merging of usages, gridding, ENC creation).
- The national support team is operating at reduced staff levels and juggling multiple priorities.
- Traditional paper charts are still in S-57 format.

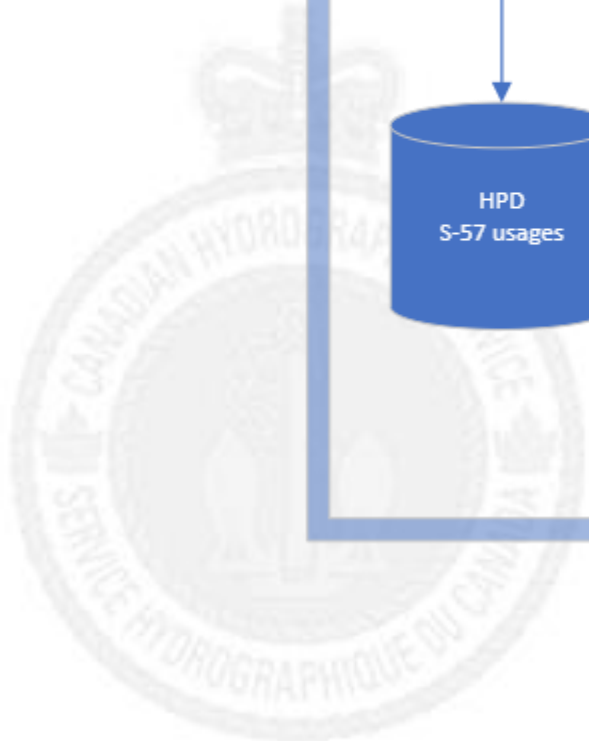
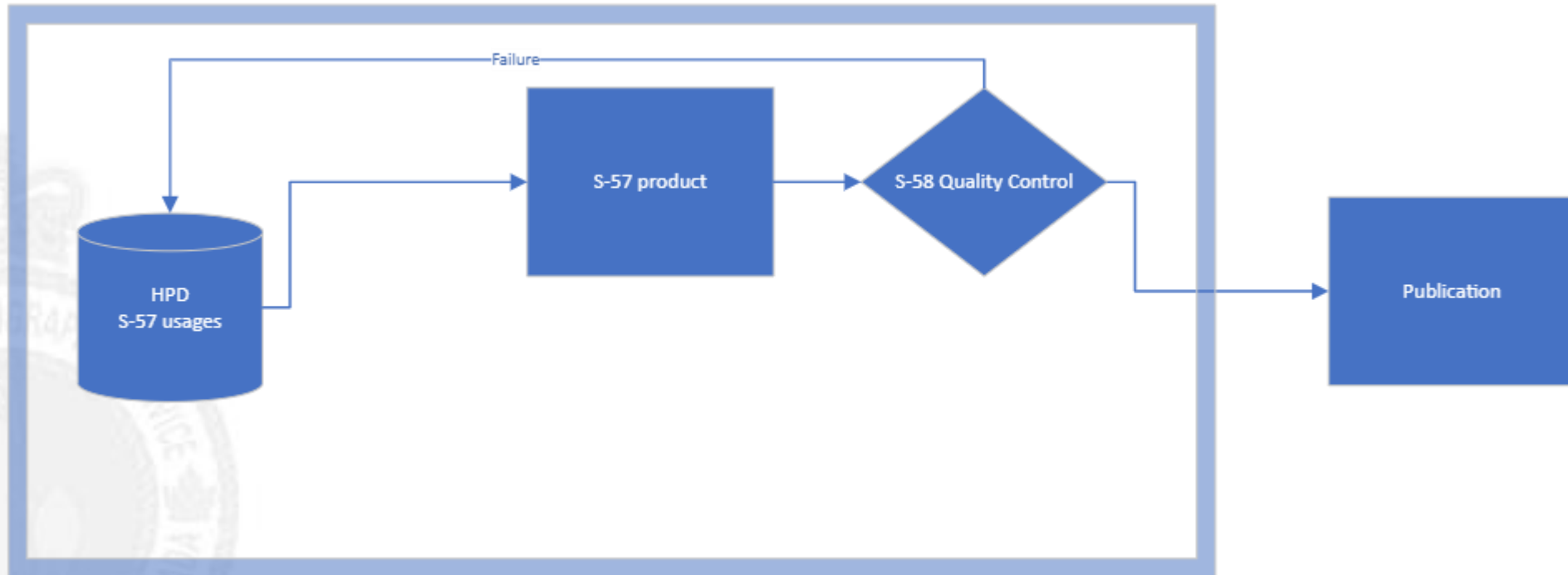
# Revised Strategy

- Reduce our ambitions
  - Keep our databases in S-57
  - Map S-57 usages to S-101 products
- Adopt a realistic strategy
  - Reduce organizational risk
  - Reduce pressure on regional production teams and the national support team
- Meeting our 2026 commitments
  - Have S-101 in key locations (where there is S-102, S-104, S-111)
- Ready for the 2025 test bed
  - Have S-101 between Montreal and Québec City



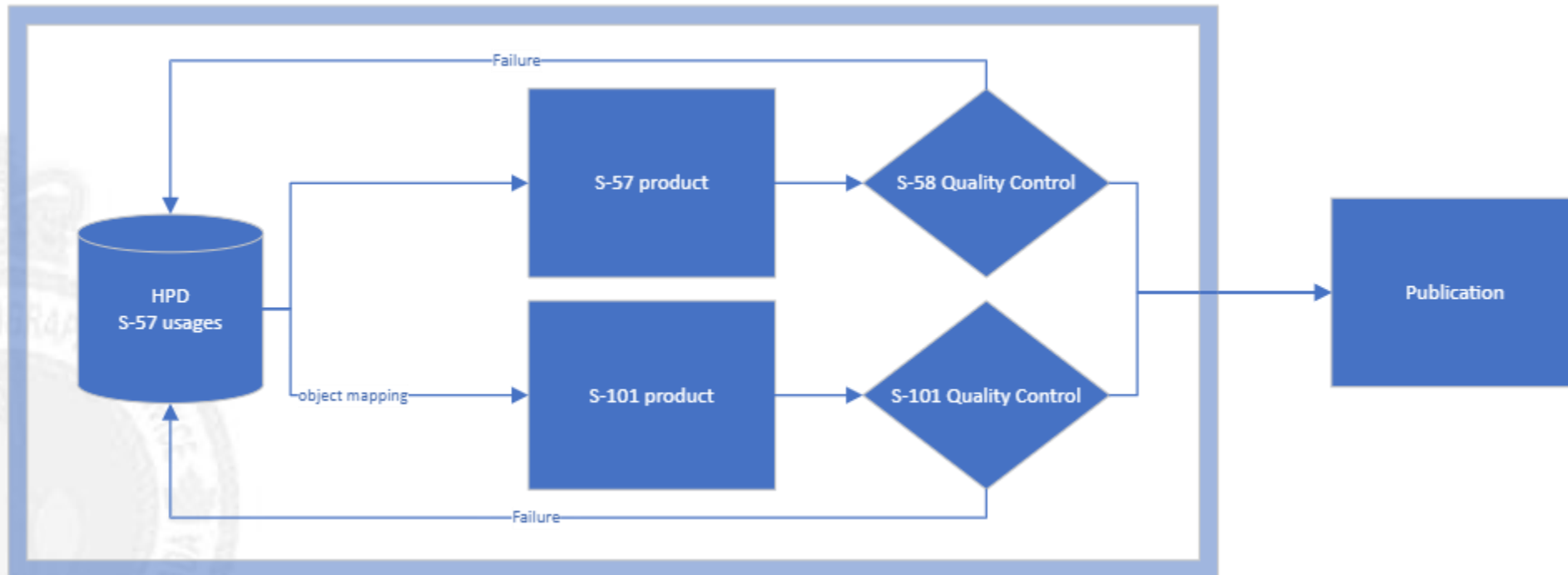


# S-57 Production





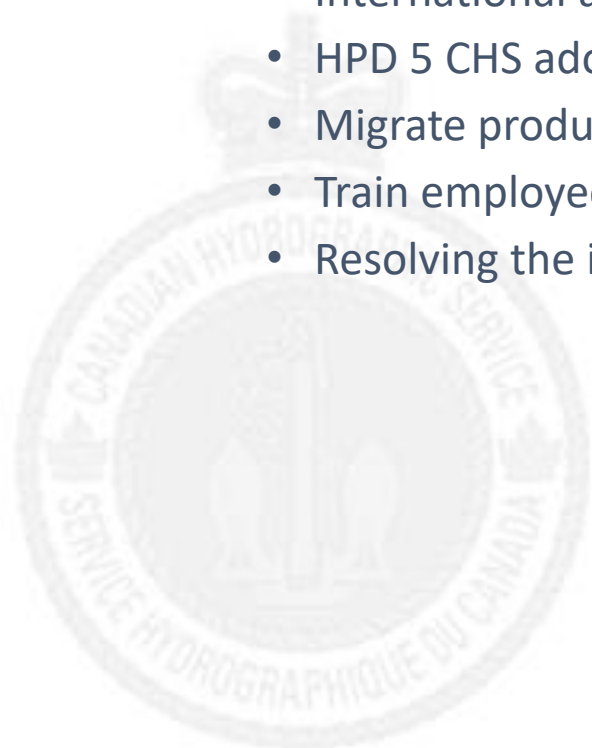
# S-57/S-101 Dual-Fuel Production





# A temporary solution

- Obligation to convert databases to S-101 by 2035
- Until then, more time to:
  - International adoption of the S-101
  - HPD 5 CHS adoption
  - Migrate production to the cloud
  - Train employees
  - Resolving the issue of the paper charts





# Next steps

Summer  
2024

Source data  
preparation

Pre-conversion  
validation checks  
and guidelines

Winter  
2025

ENC Mapping  
tests

Implementation of  
automatic mapping  
from S-57 to S-101

Summer  
2025

CHSS-100  
testbed

All Canadian S-100  
available

Winter  
2026

Dual-Fuel  
Production

On time for January 1, 2026

