



Committee H Workshop: Safety of Dams Agenda Item 5

B3 DAM SAFETY - OWNERS DAM SAFETY MANAGEMENT

Robin Charlwood (USA) & Des Hartford (Canada)

2022-05-28 Marseille, France

B3: OWNERS DAM SAFETY MANAGEMENT

- Bulletin 3 of this 3-part series is prepared in two sub-parts and is intended to build on Bulletins 1 and 2.
- B3 will provide Dam Owners with a sufficient understanding of
 - Policy & Organizational aspects of dam safety management (**Part I**) and
 - Implementation Activities & Processes involved in managing the safety of dams on a continual basis (**Part II**).
- The Bulletin assists Dam Owners in establishing and maintaining efficient and effective dam safety management systems with the view to achieving safe dams, whether or not there are existing dam safety laws and regulations and dam safety guidelines.

DRAFT TABLE OF CONTENTS

PART I – OWNER’S DAM SAFETY POLICY AND ORGANIZATION

1. Introduction
2. Responsibility for Dam Safety
3. Organizational Governance, Values, Objectives and Policies
4. Safety Goals
5. Decision Making
6. Risk Reduction
7. Safety Assurance
8. Safety Culture
9. Capacity Building

DRAFT TABLE OF CONTENTS - Continued

PART II - OWNER'S ACTIVITIES TO ACHIEVE DAM SAFETY GOALS

1. Introduction
2. Overall Approach, Organization's Enabling Structures, Capabilities, and Processes
- 3 Design for Safety
- 4 Site Supervision for Dam Safety During Construction Phase
- 5 Dam Safety during Commissioning and Entry to Service
- 6 Dam Safety Management In the Operational Phase
- 7 Dam Safety During Operations
- 8 Emergency Preparedness
- 9 Investigation, Analysis and Assessment
- 10 Operational Decision-making
- 11 Operational Risk Control
- 12 Decommissioning

Next Steps

- Assemble team for writing and review with International experts with **OWNER perspective**
- Present the **Draft TOC** for review and discussion at the Technical Committee H Meeting
- Confirm team and assign initial writing and review responsibilities at ICOLD **Technical Committee H Meeting** on Sunday May 29 in Marseille in room **EUTHYMENES** (32 seats)

Responsibilities – under development 😊:

- Overall management: Robin with support from Zeping Xu and Marc
- Draft TOC: Des, Robin and Clare Raska based on earlier drafts from Frederic Laugier (France)
- Drafting selected sections:
 - Part I Des Hartford (Canada) + Marc Balissat (Switz) + ???
 - Part II EDF Person (France) + Eric Halpin (USA) + Louis Hattingh? (RSA) + ???
- Review: Frederic Laugier (France), Maria Bartsch or ? (Sweden), Michael Abebe (Ethiopia), Brian Becker &/or Dean Durkee (USA)
 - plus representatives from other countries, some with existing programs and some that are planning to develop new programs
 - plus representative(s) from WB team, Satoru, Marcus and John?

Going forward after Marseille 2022

- Hold hybrid working sessions to clarify TOC, objectives and scope (some authors in person and some remote virtual) July – September 2022
- Assigned authors develop first Draft Bulletins during period October to December 2022 with periodic Zoom Review meetings
- Review first draft for conformity with Bulletins 1 and 2 and consistency within B3 and proposed edits as necessary – January – February 2023
- **Circulate first DRAFT to Committee H members, March/ April 2023**
- Review Draft at Committee Meeting in ICOLD Gothenburg – June 2023
- Editing of draft according to agreements in Gothenburg – August to October 2023 with periodic zoom review meetings
- Circulate revised DRAFT to Committee H members, December 2023
- Receive comments and edit final draft as necessary January/February 2024
- **Submit Bulletin for ICOLD New Delhi GA Approval in March 2024**

Thank you for
your attention 😊

You are welcome to
join our CODS
meeting in room
EUTHYMENES
tomorrow from
8:30 am to 5:30 pm



The statue of
Euthymenes
(by Auguste
Ottin) on the
façade of the
Palais de la
Bourse,
Marseille

Voyage of Euthymenes of Marseille

Euthymenes was an early sixth century BCE Greek explorer from Massilia (Marseille), who explored the coast of West Africa

