

---

# ZDHC MMCF Guidelines Industry Standard Implementation Approach

---

Version 2.2

*August 2023*

# Introduction

With the release of the ZDHC MMCF Guidelines V2.2, all relevant stakeholders are expected to collaborate towards a successful industry implementation. The key stakeholder groups identified by ZDHC in the implementation of these guidelines are:

1. Man-made cellulosic fibres (MMCF) manufacturing facilities and suppliers, hereafter referred to as manufacturing facilities
2. Brands and retailers
3. ZDHC Approved Solution Providers (wastewater laboratories)

The above stakeholder groups have a key role in the implementation of the ZDHC MMCF Guidelines V2.2. ZDHC has created this document to underline the steps and actions necessary to implement the guidelines and support the stakeholders involved.

## ZDHC MMCF Guidelines V2.2

ZDHC requires all relevant stakeholders to adopt and implement the ZDHC MMCF Guidelines.

We define adoption as the decision to use the ZDHC MMCF Guidelines V2.2 for your business by changing your organisation's internal and external policies in addition to the communication of the new policy.

- The scope should be at a minimum as specified in the ZDHC MMCF Guidelines V2.2.
- The ZDHC MMCF Guidelines V2.2 shall be referred to in the communication either by sharing the link to the document or the documents themselves.

We define implementation as the result from steps taken – beyond adoption – to put decisions into action, such as training, tracking of compliance with the new policy, continuous improvement roadmap, etc.

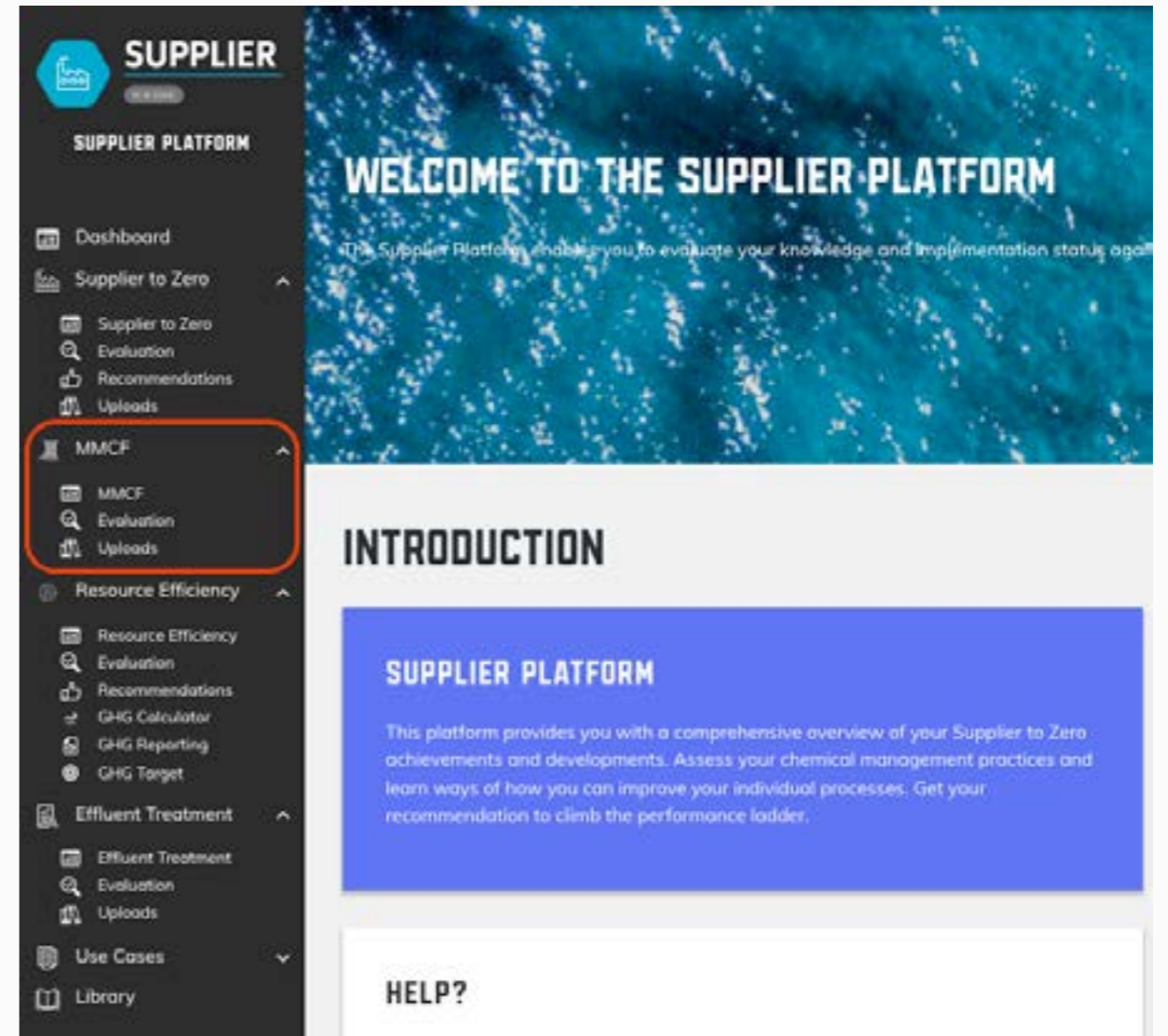
The chapters that constitute the ZDHC MMCF Guidelines V2.2 were created with the intention of being adopted and implemented together because each chapter of the document touches upon the key areas within the process and output of MMCF manufacturing. To reduce the environmental impact generated within the process,

manufacturing facilities should start working towards addressing the production outputs and transitioning to a circular approach.

The scope of the ZDHC MMCF Guidelines V2.2 has been expanded to include MMCF fibres other than viscose staple fibre (VSF) and modal. These are viscose filament yarn (VFY), lyocell, cupro and acetate. VSF manufacturing facilities will be implementing and reporting as per the MMCF Wastewater Guidelines V2.2 for wastewater in the ZDHC Gateway from October 2023 testing cycle onwards.

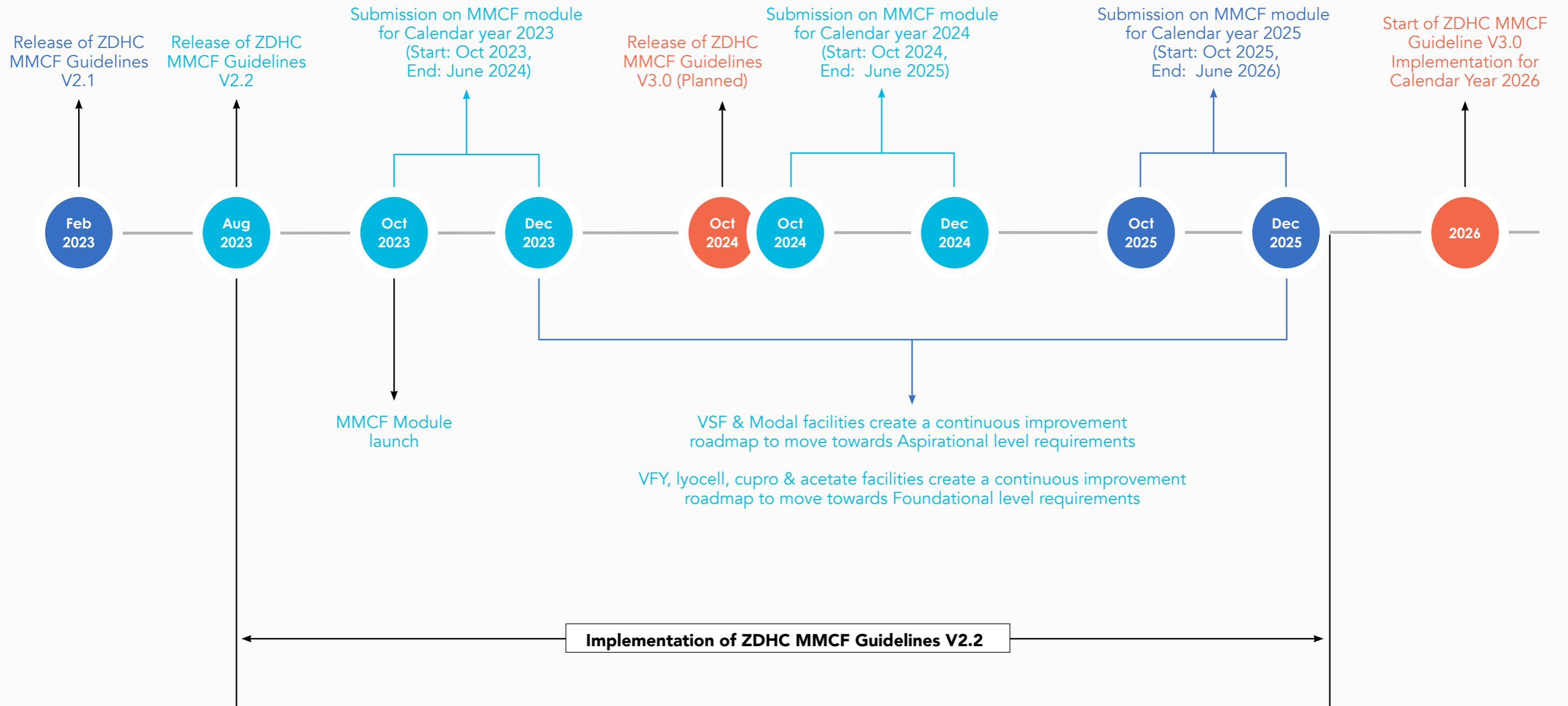
Facilities that manufacture other MMCF types included in the expanded scope of the guidelines will need to implement the MMCF Wastewater Guidelines V2.2 requirements from the October 2023 testing cycle.

The implementation of the Responsible Fibre Manufacturing Guidelines V2.2 and the Air Emissions Guidelines V2.2 will be done through the MMCF Module on the ZDHC Supplier Platform. Manufacturing facilities of all MMCF types will use the MMCF Module on ZDHC Supplier Platform to answer self-evaluation questions related to their implementation and upload relevant documents in support of the implementation as required. Access to the MMCF Module on ZDHC Supplier Platform is through the same log-in credentials as the ZDHC Gateway account of the manufacturing facility.

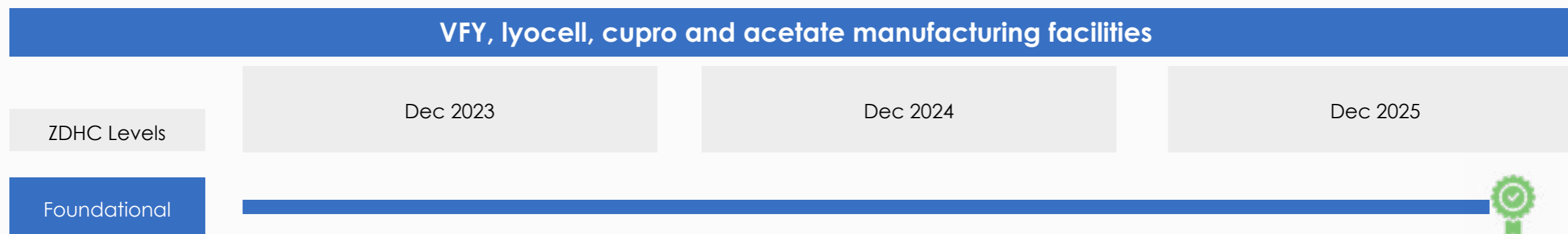


# Implementation timeline for MMCF Guidelines V2.2

ZDHC MMCF Guidelines V2.2

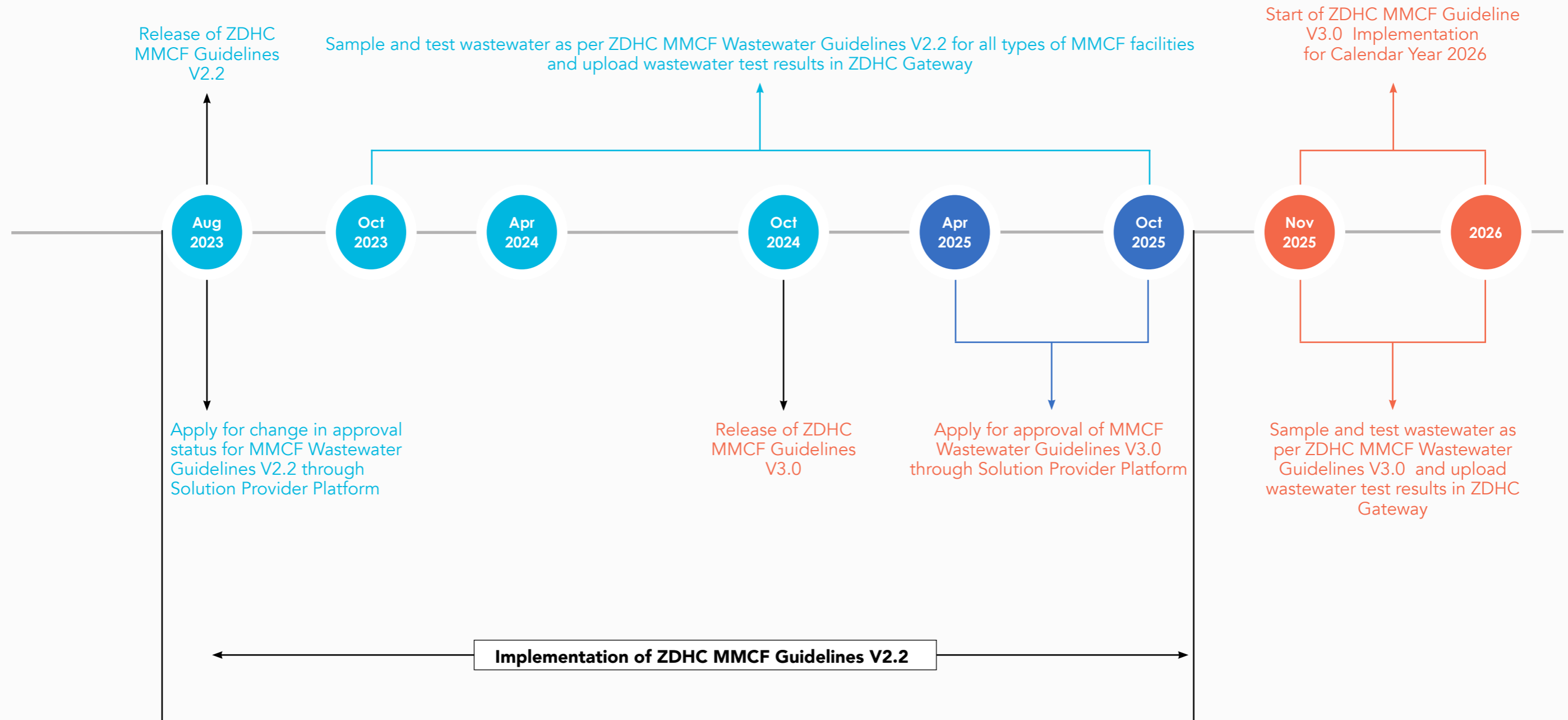


# Continuous improvement roadmap for MMCF V2.2



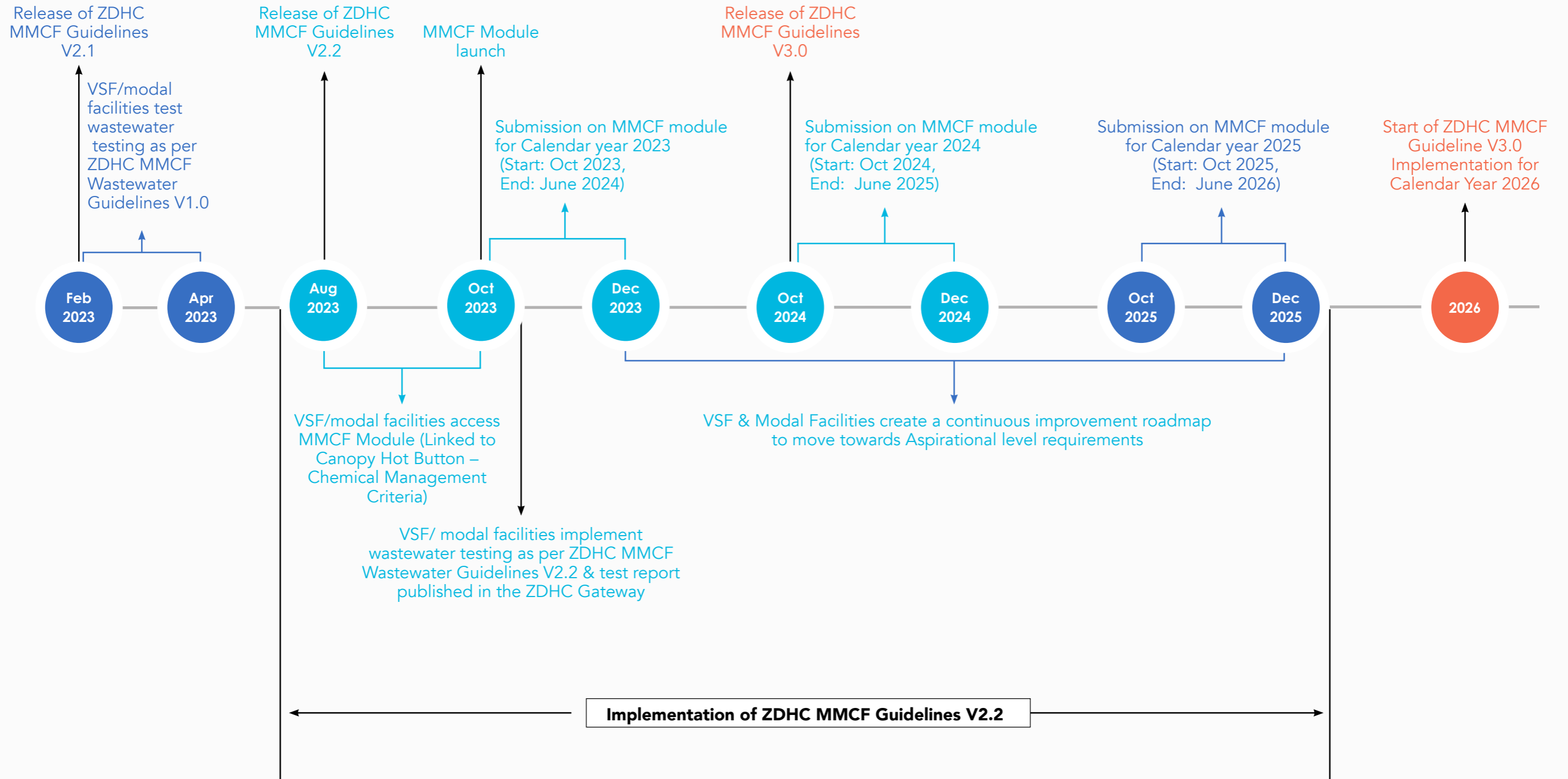
# Implementation Roadmap for MMCF wastewater test laboratories

ZDHC MMCF Guidelines V2.2



# Implementation Roadmap for VSF and modal manufacturing facilities

ZDHC MMCF Guidelines V2.2



# Implementation Roadmap for VFY, lyocell, cupro and acetate manufacturing facilities

ZDHC MMCF Guidelines V2.2

