



FRMS Approval Process



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FRMS Implementation

- **Operator perspective**
 - Deciding to establish an FRMS
 - Developing an FRMS to the point of approval
 - Maintaining an approved FRMS
- **Regulator perspective**
 - Deciding to offer FRMS regulations
 - Establishing an FRMS approval process
 - FRMS Oversight

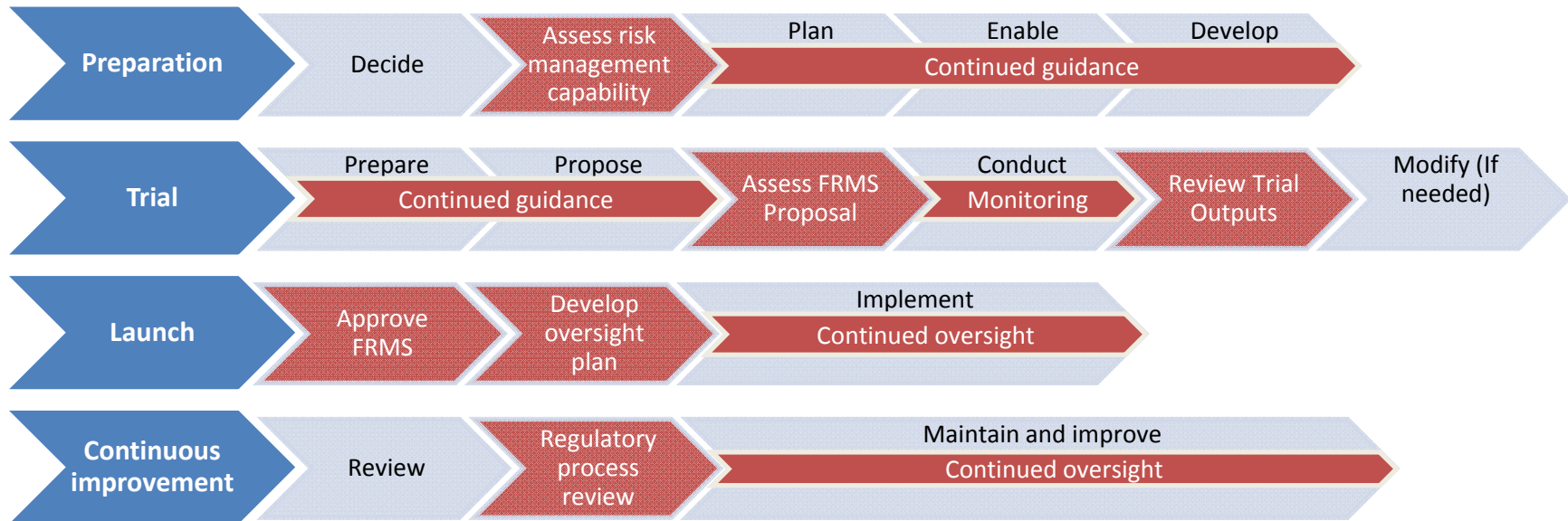


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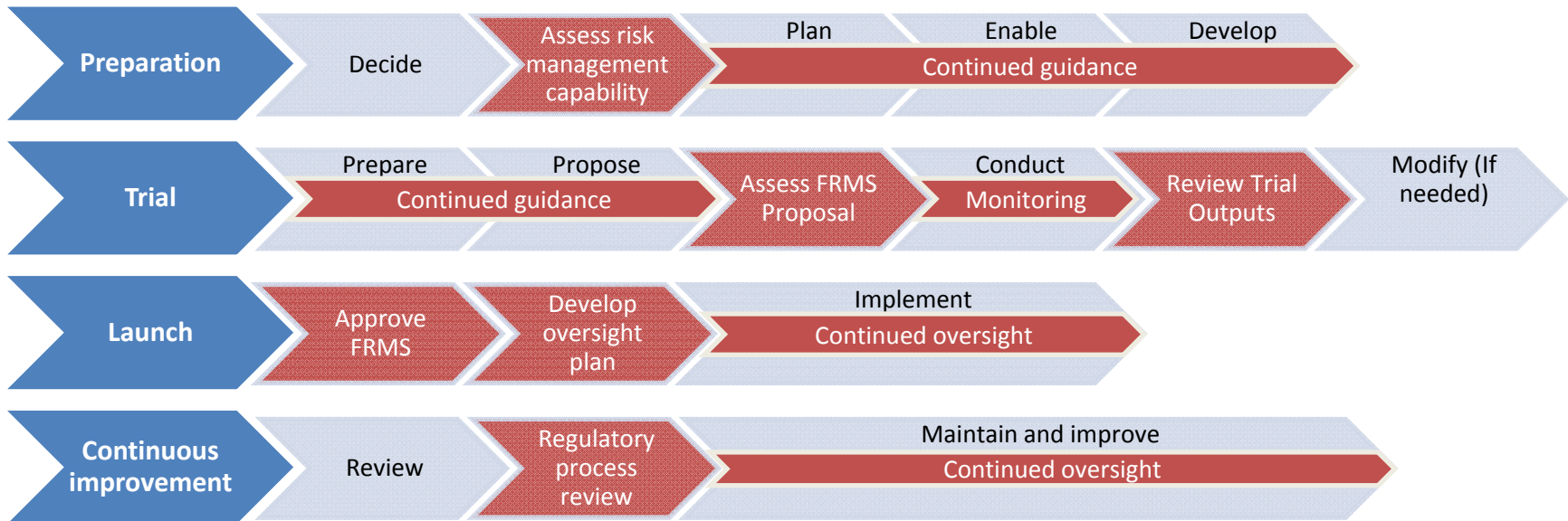


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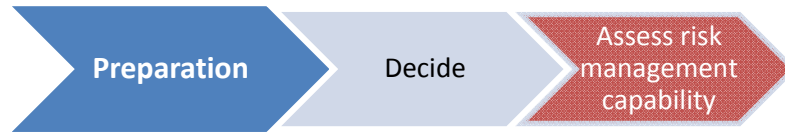
Approval Process





Phase 1. Preparation

- **Decide**
 - What is the regulatory position?
 - Present case for needing FRMS



Phase 1. Preparation

- **Assess risk management capability**
 - Process for notification of intent
 - Consider past performance
 - Permission to proceed



Phase 1. Preparation

- **Plan**
 - Gap analysis
 - Develop FRMS implementation plan



Phase 1. Preparation

- **Enable**
 - Allocate financial and human resources
 - Establish FSAG or equivalent



Phase 1. Preparation

- **Develop**
 - FRMS policy
 - Documentation plan
 - Communications plan
 - Training plan

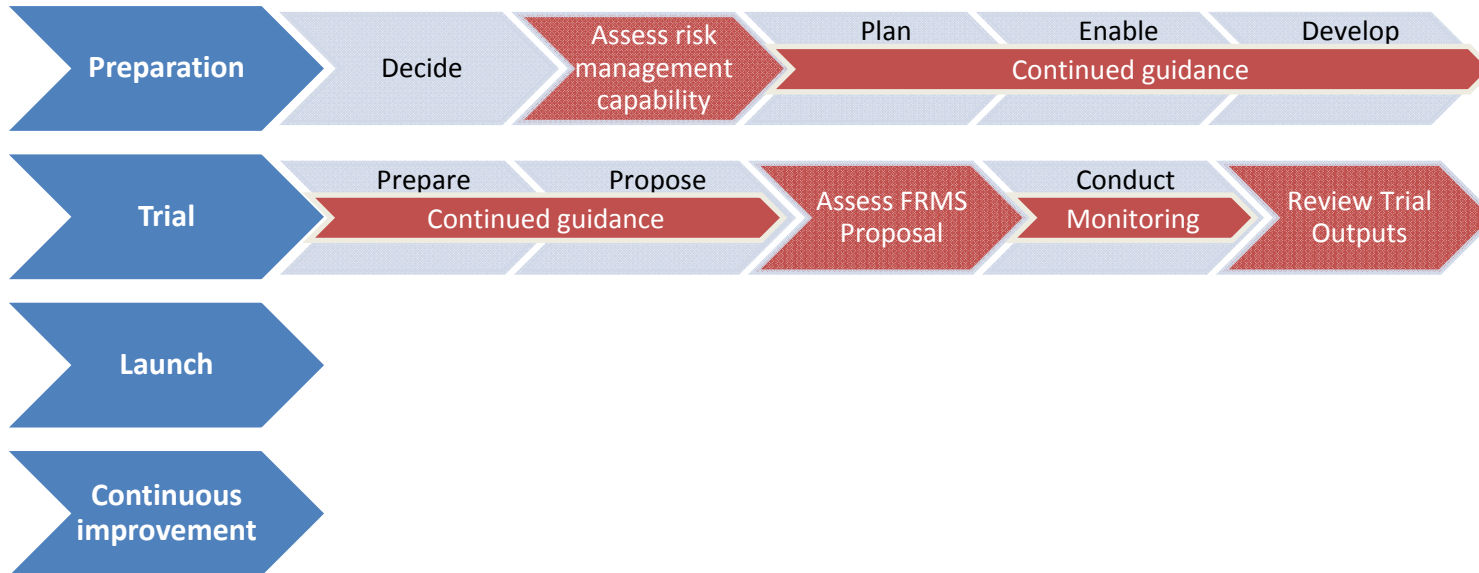


Phase 1. Preparation

- Continued guidance
 - Examine gap analysis
 - Key personnel
 - Review policy and documentation
 - Ready to activate in Phase 2 (FRMS trial)



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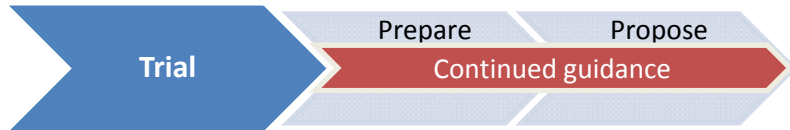
Phase 2. Trial

- Prepare
 - Trial plan
 - Scope, duration, mitigations
 - Develop and administer training



Phase 2. Trial

- Propose
 - FRMS Trial plan



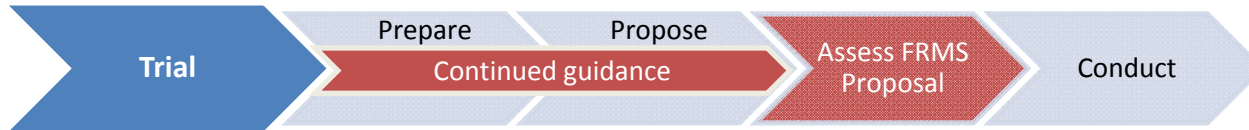
Phase 2. Trial

- Continued guidance
 - Increased support during development of safety case
 - Identification and management of additional risk
 - Time limit



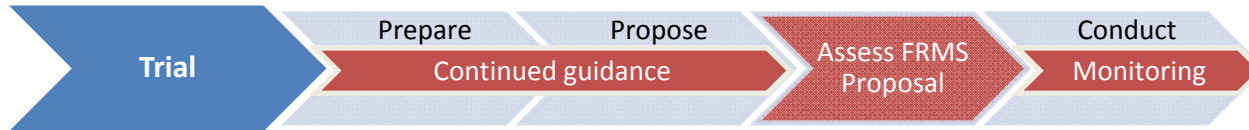
Phase 2. Trial

- **Assess FRMS proposal**
 - In depth assessment of safety case
 - Develop a monitoring programme for the trial
 - Agreement needed to commence trial



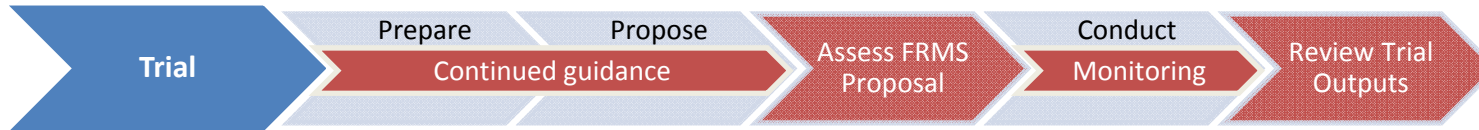
Phase 2. Trial

- Conduct FRMS Trial
 - Monitor SPIs
 - Provide agreed interim reports



Phase 2. Trial

- Monitor trial
 - Frequent feedback
 - Desktop reviews of SPIs
 - Progress reports at set times
 - Evaluation of FRMS process and procedure documentation
 - On-site visits
 - Direct inspection of the trial operation



Phase 2. Trial

- Review Trial Outputs
 - Final report
 - Consideration of changes
 - Other relevant information
 - Adjustments required?

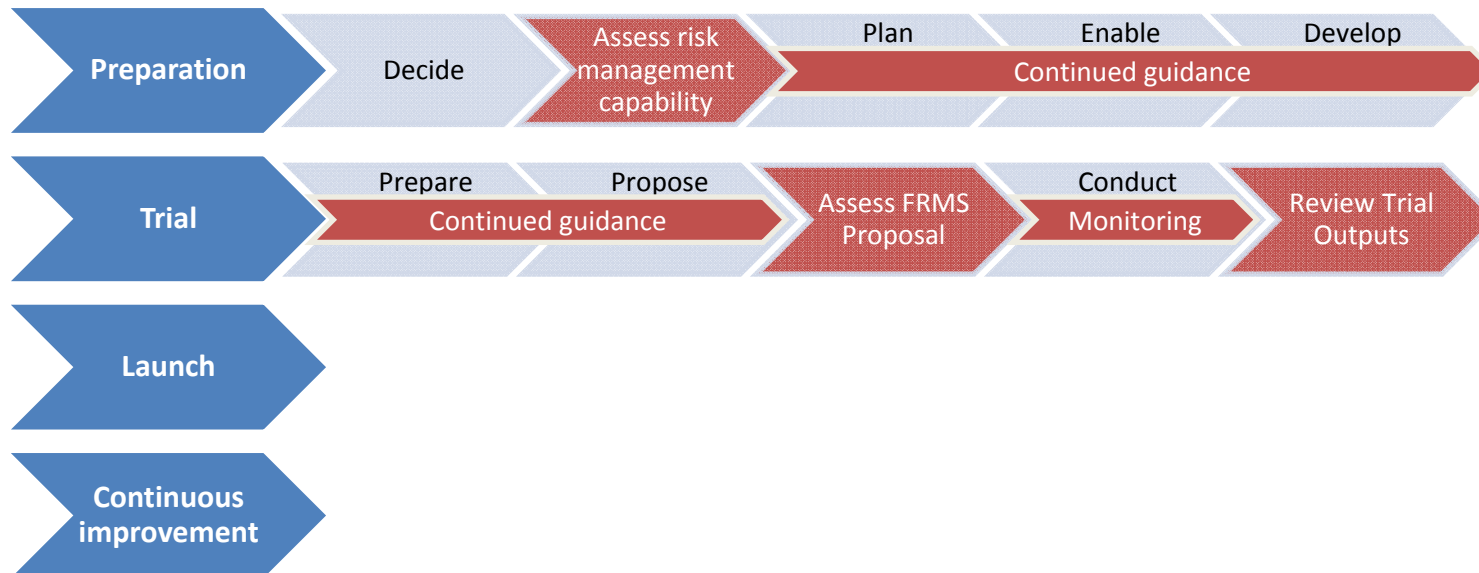


Phase 2. Trial

- **Modify (if needed)**
 - Adjust components and processes to improve FRMS effectiveness

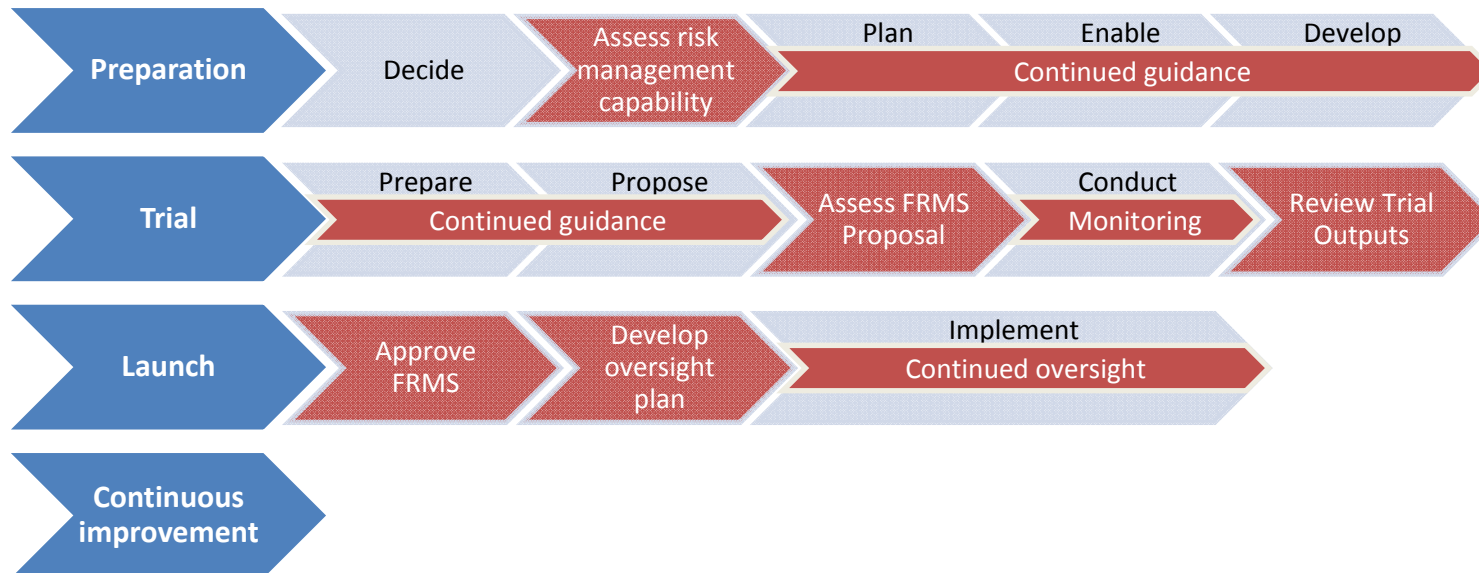


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Phase 3. Launch

- Approval of FRMS
 - Scope



Phase 3. Launch

- Develop oversight plan
 - Initial increased level of oversight?



Phase 3. Launch

- **Implement**
 - Activate FRMS across all approved operations

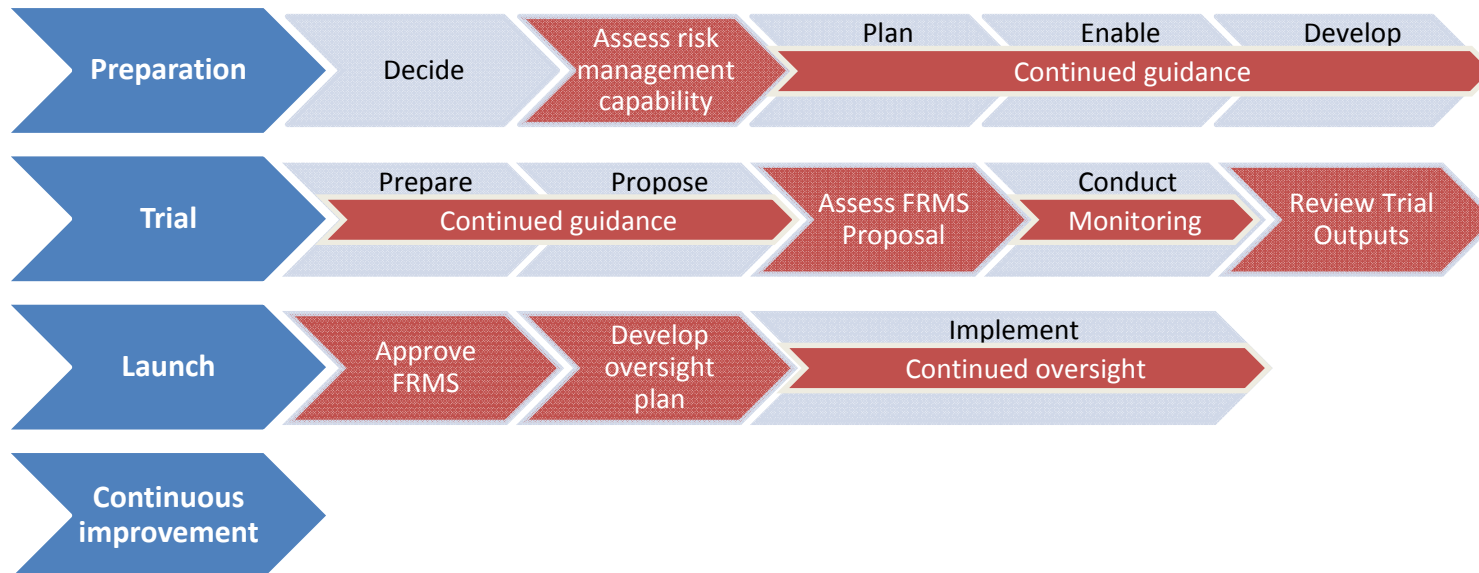


Phase 3. Launch

- Continued oversight

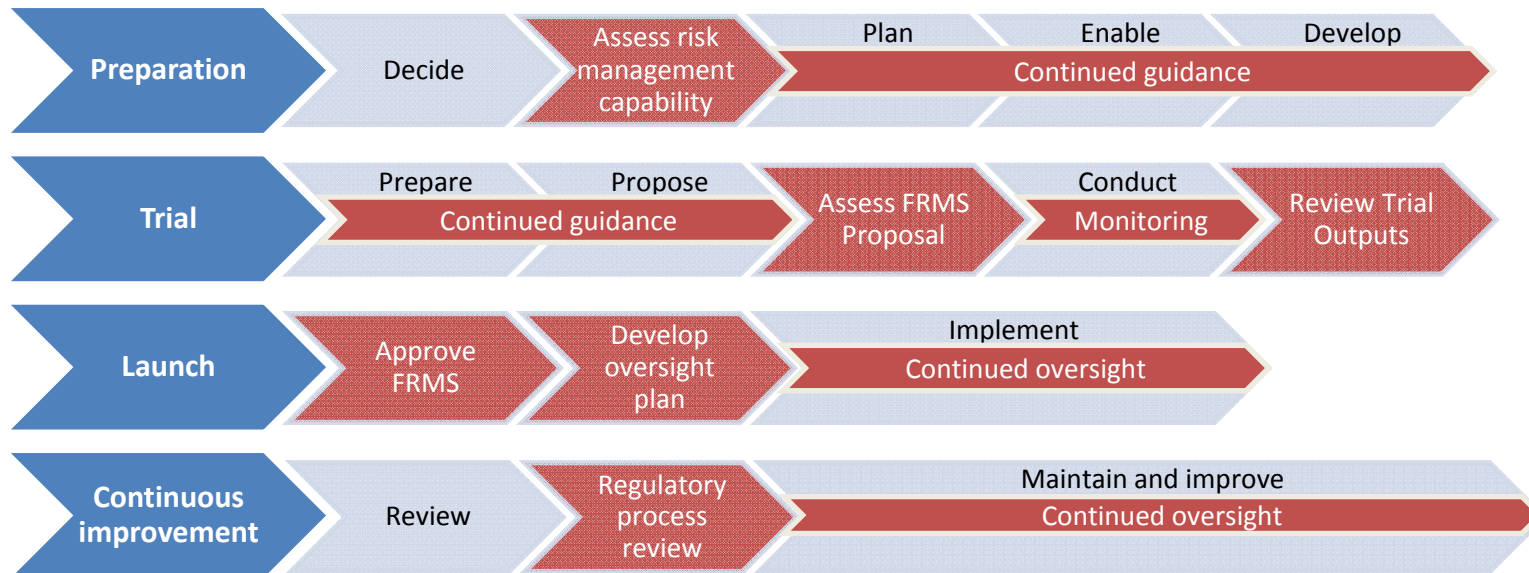


Approval Process





Approval Process





Phase 4. Continuous Improvement

- Review



Phase 4. Continuous Improvement

- Regulatory process review
 - Improvements identified through lessons learned
 - TORs
 - Are fatigue risks controlled?
 - Appropriate responses?
 - Effectiveness of training, promotion and assurance mechanisms



Phase 4. Continuous Improvement

- **Maintain and improve**
 - Use safety assurance processes to continually improve the FRMS

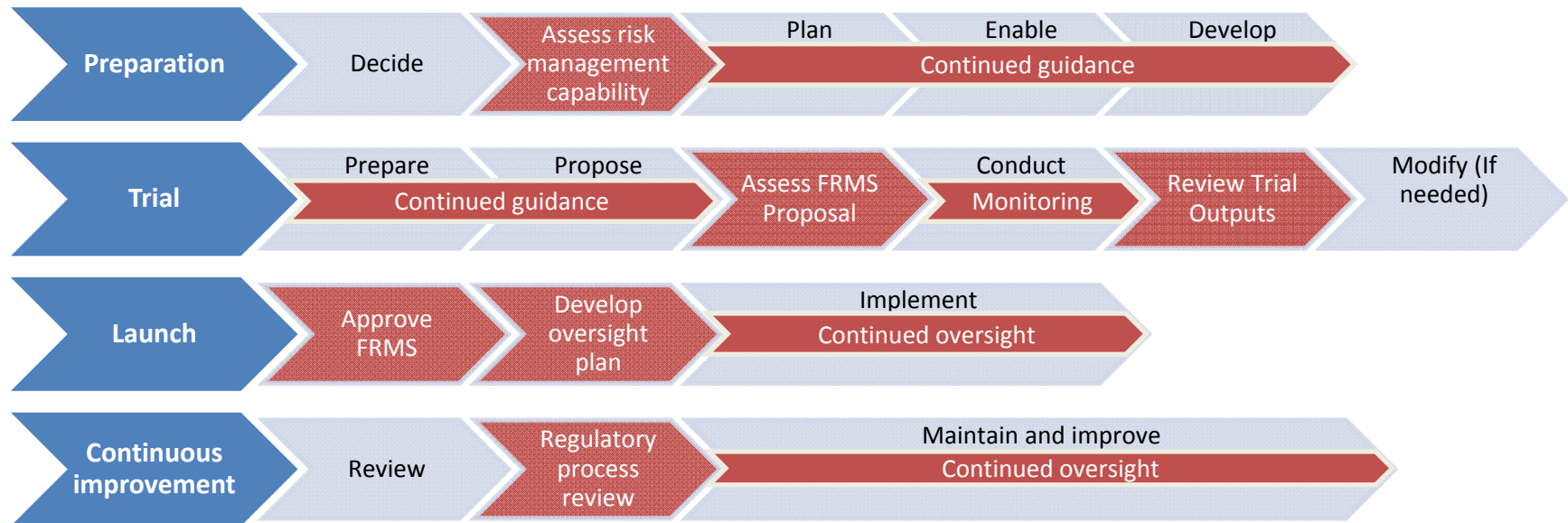


Phase 4. Continuous Improvement

- **Continued oversight**
 - Embed in regular oversight programme
- **Enforcement**
 - On notice to improve
 - Restrict outer limits
 - Withdrawal of FRMS approval



Approval Process





North American
Central American
and Caribbean
(NACC) Office
Mexico City

South American
(SAM) Office
Lima

ICAO
Headquarters
Montreal

Western and
Central African
(WACAF) Office
Dakar

European and
North Atlantic
(EUR/NAT) Office
Paris

Middle East
(MID) Office
Cairo

Eastern and
Southern African
(ESAF) Office
Nairobi

Asia and Pacific
(APAC) Office
Bangkok

Thank You

A world map is shown in a light blue color. Eight dots are placed on the map, each connected by a thin line to a text label describing an ICAO office. The ICAO Headquarters in Montreal is highlighted with an orange dot and text, while all other office locations (Mexico City, Lima, Dakar, Paris, Cairo, Nairobi, and Bangkok) are marked with blue dots and text. A large, light blue rounded rectangle with the text "Thank You" is overlaid on the bottom center of the map.