# Aeronautical Information Services

## Development Process for Flight Information Exchange Model (FIXM)

Presented to: ATIEC
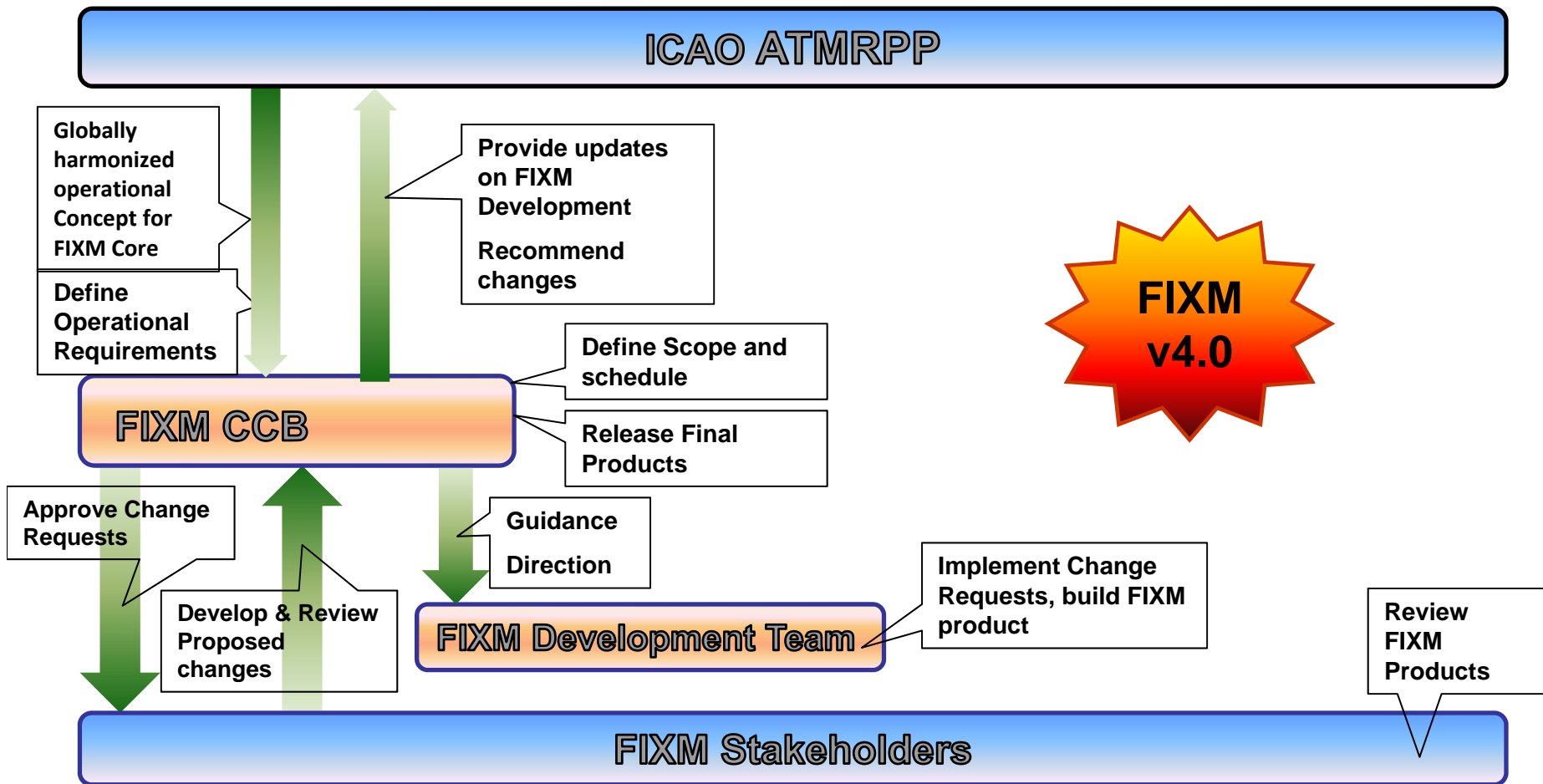
By: Linda Chen

Date: September 22, 2016

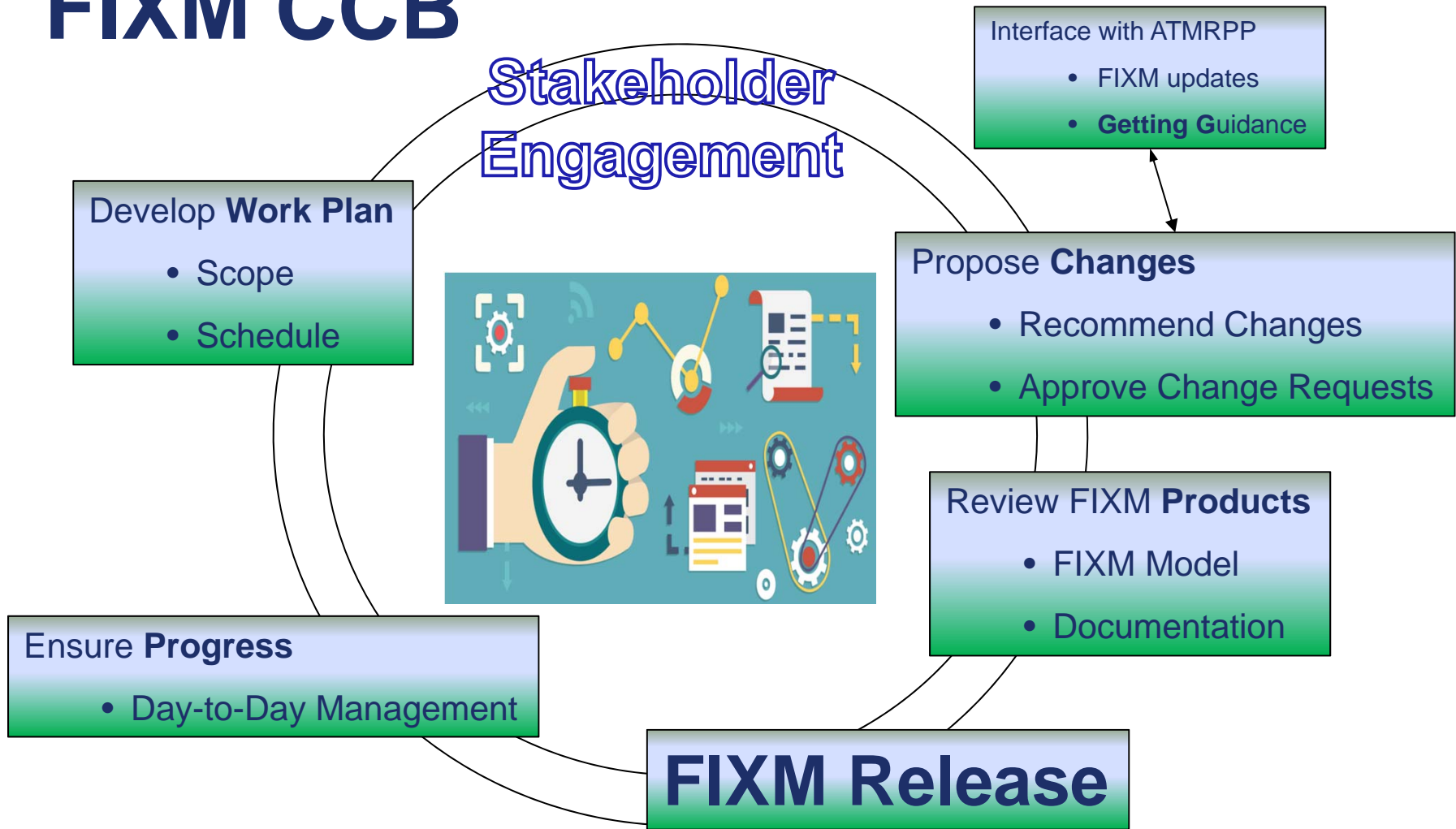*Aviation Information World – Forecasting the Future*

# FIXM v4.0 Development



**ICAO ATMRPP**

Globally harmonized operational Concept for FIXM Core

Define Operational Requirements

Provide updates on FIXM Development

Recommend changes

**FIXM v4.0**

**FIXM CCB**

Define Scope and schedule

Release Final Products

Approve Change Requests

Develop & Review Proposed changes

Guidance

Direction

Implement Change Requests, build FIXM product

**FIXM Development Team**

Review FIXM Products

**FIXM Stakeholders**

ATEC — Aviation Information World - Forecasting the Future

# FIXM CCB

**Stakeholder Engagement**

Interface with ATMRPP
- FIXM updates
- **Getting G**uidance

Develop **Work Plan**
- Scope
- Schedule

Propose **Changes**
- Recommend Changes
- Approve Change Requests

Review FIXM **Products**
- FIXM Model
- Documentation

Ensure **Progress**
- Day-to-Day Management

# FIXM Release

# FIXM Development Team

**Stakeholder Engagement**

## Data Analysis

- Requirements Analysis
- Data Mapping
- Operational Data Description

## FIXM Development

- Develop Change Requests
- Implement Changes
- Develop FIXM Documentation

# FIXM Change Requests (CRs)

- **Every Change Was Documented as a CR in FIXM v4.0**
- **CRs Are Developed in Response to Proposed FIXM Changes**
- **Review by FIXM Community**
  - Submitted to the community for review
  - FIXM technical review meetings with stakeholders
  - Rework may be proposed, based on comments
- **CCB Approval**
  - All CRs must be approved by CCB before implementation
- **Resolution**
  - When a proposed change has been implemented, the stakeholder confirms it is completed satisfactorily
  - The CCB must confirm resolution of all Change Proposals before the changes can be considered resolved

# FIXM Workshop
## Washington DC, April 19-21, 2016

- **Meeting Objectives:**
  - ➢ **Present** the FIXM 4.0 draft
  - ➢ **Retrieve early feedback** by the FIXM community of stakeholders
  - ➢ **Identify aspects** to improve for the final FIXM v4.0 or future FIXM versions

- **Meeting Outcome:**
  - ➢ **32 stakeholders** attended the meeting, they were the representatives from ANSPs, IATA, ICAO Provisions, current/potential FIXM users, FIXM CCB and FIXM development team
  - ➢ The meeting provided **17 presentations**. All participants were involved actively during the discussion sessions
  - ➢ Substantial **feedback and recommendations** have been received
  - ➢ **15 action items** were opened, most of them have been addressed in final FIXM v4.0 release


Aviation Information World - Forecasting the Future

# •FIXM Tools

- **FIXM Website:**
  - www.FIXM.aero
  - Obtain FIXM **overall information** – History, objective, benefits
  - Understand FIXM development **schedule**
  - Download recent and historical FIXM **releases/ documentation**
  - Request FIXM User support

- **FIXM Wiki**
  - http://im.eurocontrol.int/wiki/index.php/FIXM_Work_Area
  - Understand current FIXM development status
  - Request to join the FIXM community

- **JIRA**
  - Report and track bugs, propose new changes, view CRs
  - How to access to FIXM JIRA:
    https://fixm.aero/content/contact.pl?category=JIRA%20Access

- **FIXM Modelling/Development Tool – Workbench**
  - https://fixm.aero/tools.pl

Aviation Information World - Forecasting the Future

# Questions

# Backup

# FIXM Core v4.0 - Work Plan