



AUTOMATED MODEL CHANGE REQUESTS (MCR) AI4SE – AUTOMATION WORKFLOW

Practical Applications For Automating Engineering Workflows

29 JULY 2026

AGENDA



Current/Improved Process

Objectives

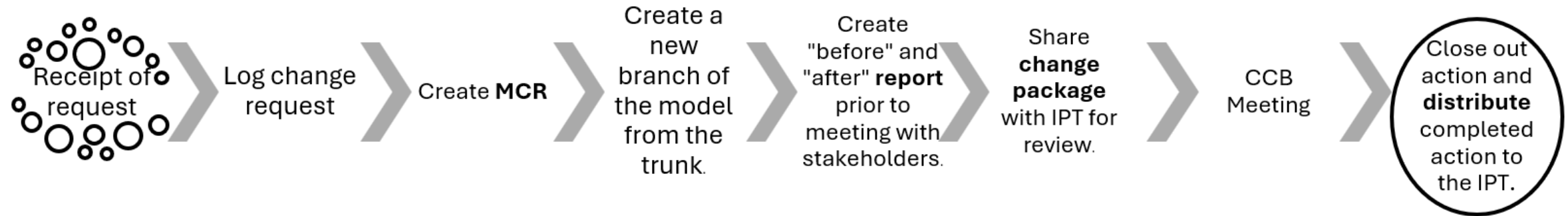
Drivers for Automation Workflows

Introducing Automation into SE

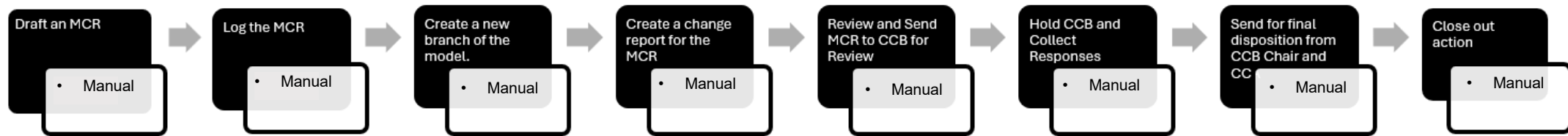
Why Power Automate?

“Under the Hood” Look Into the Improved Workflow

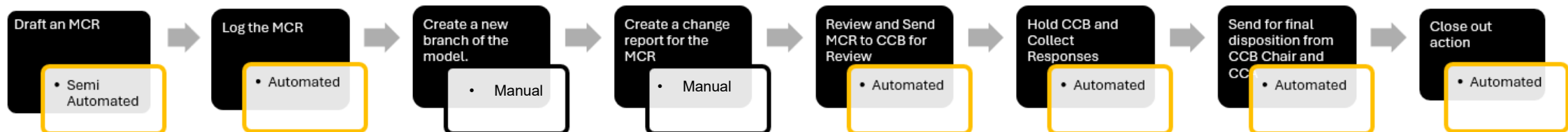
CURRENT VS IMPROVED PROCESS



Before



After



OBJECTIVES



Problem Statement and Solution

- Current process
- Overlayed improved process with callouts to where automation has been introduced

Features

- MCR change submitted
- Standard approval process
- Cameo Configuration Management Profile
- Automated CCB creations
- Project Difference Reports
- Close out

Breakdown of Power Automate

- Introduction of Automated Workflows
- “Under the hood” look into the solution

DRIVERS FOR AUTOMATED WORKFLOWS



Problem Statement

- Current Process is time and resource intensive.
- On a project that adjudicates 5-8 MCRs per week, it typically takes around 10 working days to process a single MCR of average complexity
 - Excludes TIMWOOD (LSS 7 waste forms)
 - Example: Waiting times

Solution

- Introduce automation into the process workflow to realize efficiency gains
 - Streamlined approval process
 - Data storing and integration between multiple tools and resources
 - CCB Meetings
- **ELIMINATE TIME SPENT ON MUNDANE OR TRIVIAL TASKS**
 - **Sending emails**
 - **De-conflicting calendars for scheduling meetings**
 - **Data input and analysis**

INTRODUCING AUTOMATION



Populate MS Forms Project Metrics into Power BI

Undo Redo Comments Save Flow checker

Instant

Triggers on a user button press

Workflow Types

Scheduled

Triggers on a specified recurrence or interval

Automated

Triggers on its own as soon as trigger condition is met

The screenshot shows a Power Automate workflow titled 'Populate MS Forms Project Metrics into Power BI'. The workflow starts with a trigger 'When a new response is submitted' with a 'Form Id' field containing a long alphanumeric string. This is followed by a 'Response details' step, also with a 'Form Id' field containing the same string and a 'Response Id' field. The workflow then proceeds to 'Add a row into a table' and finally 'Refresh a dataset'. At the bottom, there are buttons for '+ New step' and 'Save'.

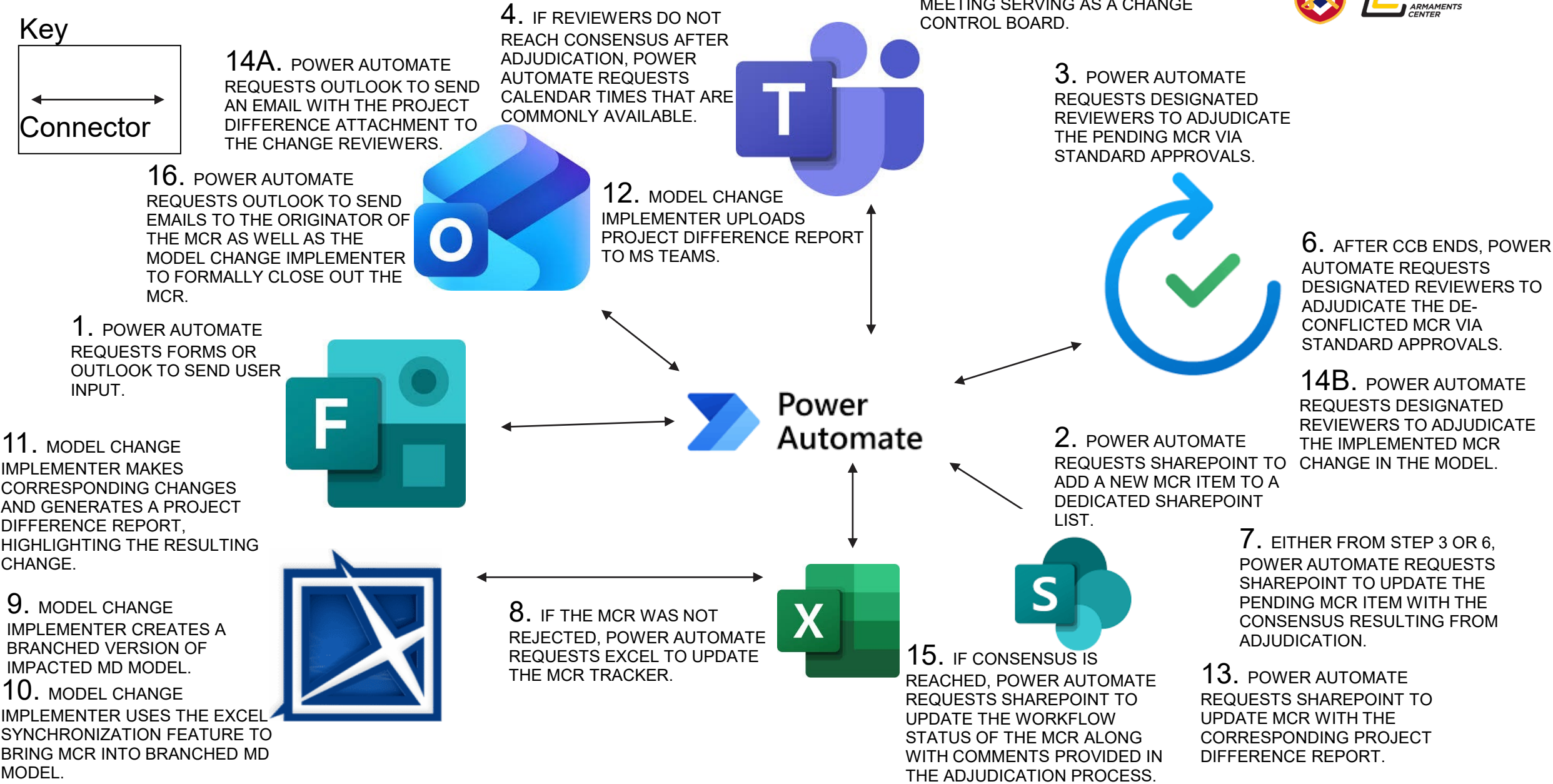
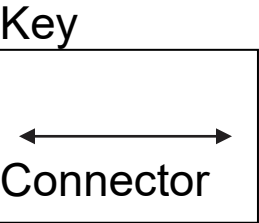
WHY POWER AUTOMATE?



Advantages of Implementing Microsoft Power Automate in Your Organization

- 01 Streamlines Daily Business Tasks
- 02 Making Data-Based Decisions
- 03 Reduces Costly Human Errors
- 04 Seamless Integration
- 05 Easy Mobile Access
- 06 Easy Set-Up

UNDER THE HOOD





THANK YOU.

For more questions, please reach out to salvatore.a.latella.civ@army.mil

