

MBD Process Management Function manual

Agenda

1. Description
2. Deploy Documentation
3. CodeTree layout
4. Package layout
5. Function

1. What is “MBD Process Management”

- Aras Innovator manages the data and deliverables of "V-shaped process" in model-based development.

2. Supported browsers and Aras Innovator

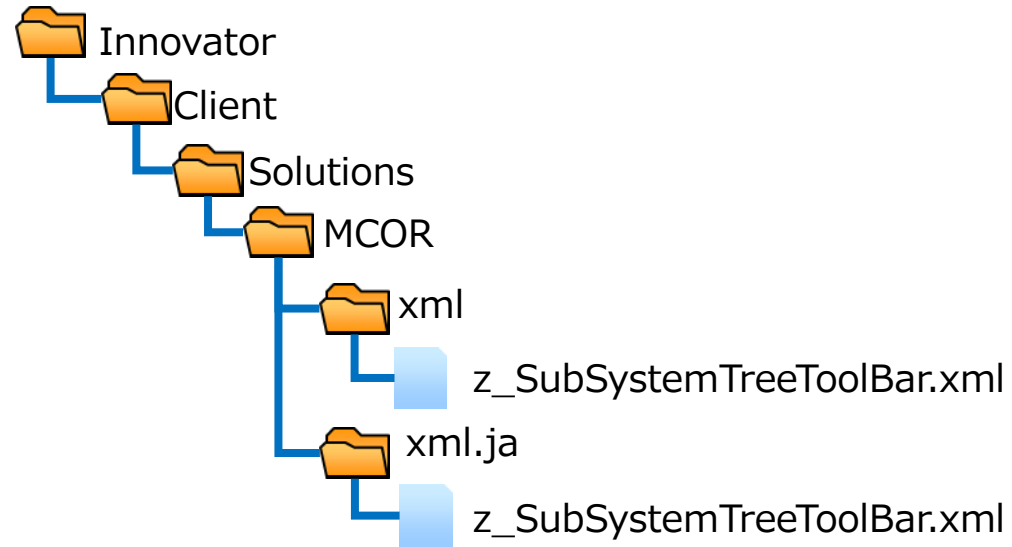
Aras Innovator	Supported
11.0 SP9	<input type="radio"/>

Browser	Version
Internet Explorer	Internet Explorer 11
Firefox	Firefox 45 ESR, Firefox 38 ESR
Chrome	Chrome 52(Minimum)

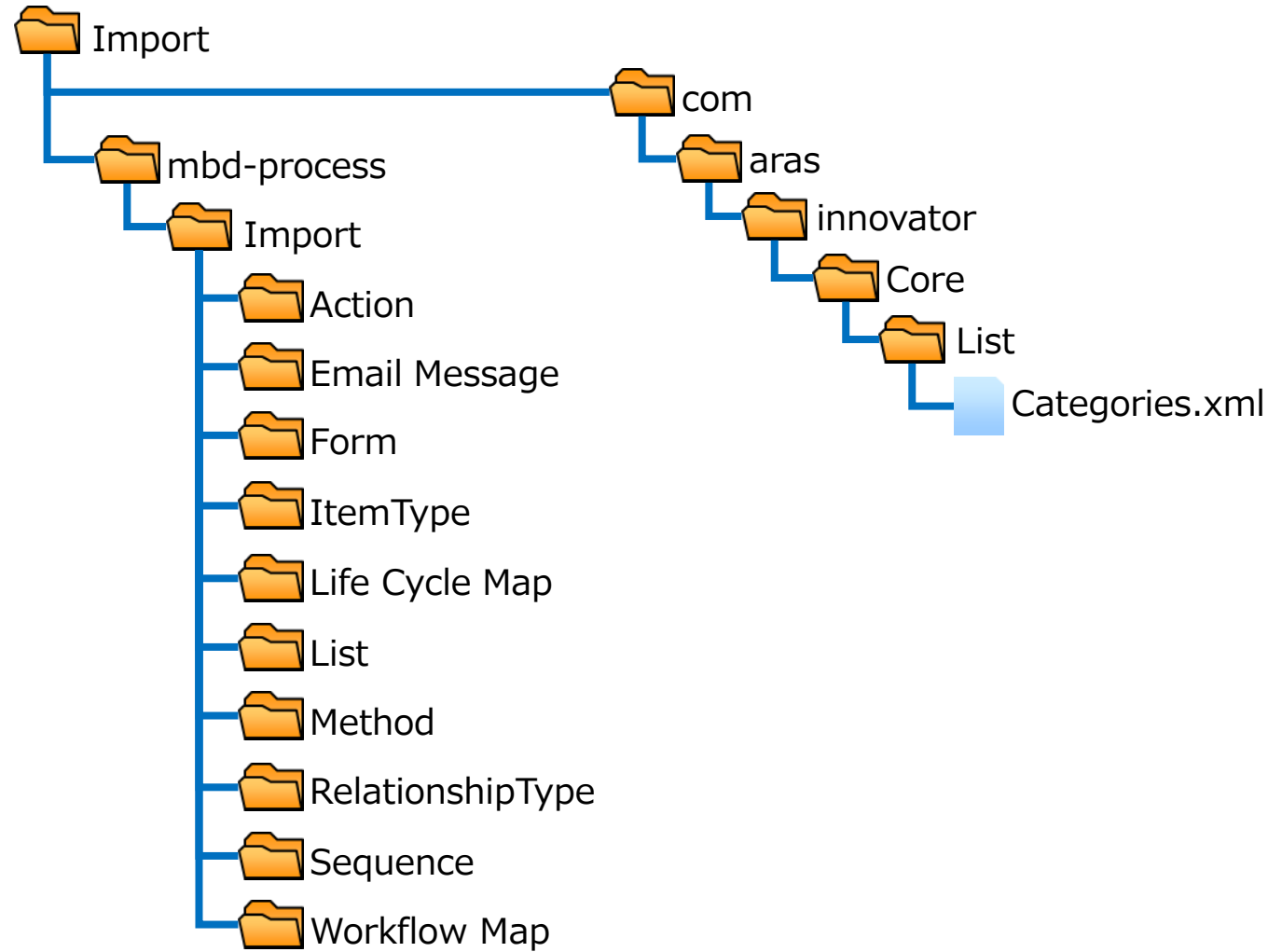
Deploy Documentation

1. Copy the Client folder below the Client folder of the Aras Innovator installation folder.
2. Import Folder Import the following packages into Aras Innovator.
Package import uses PackageImportExportUtilities.
3. Use LanguagePackManagementUtility to perform Japaneseization.

CodeTree layout

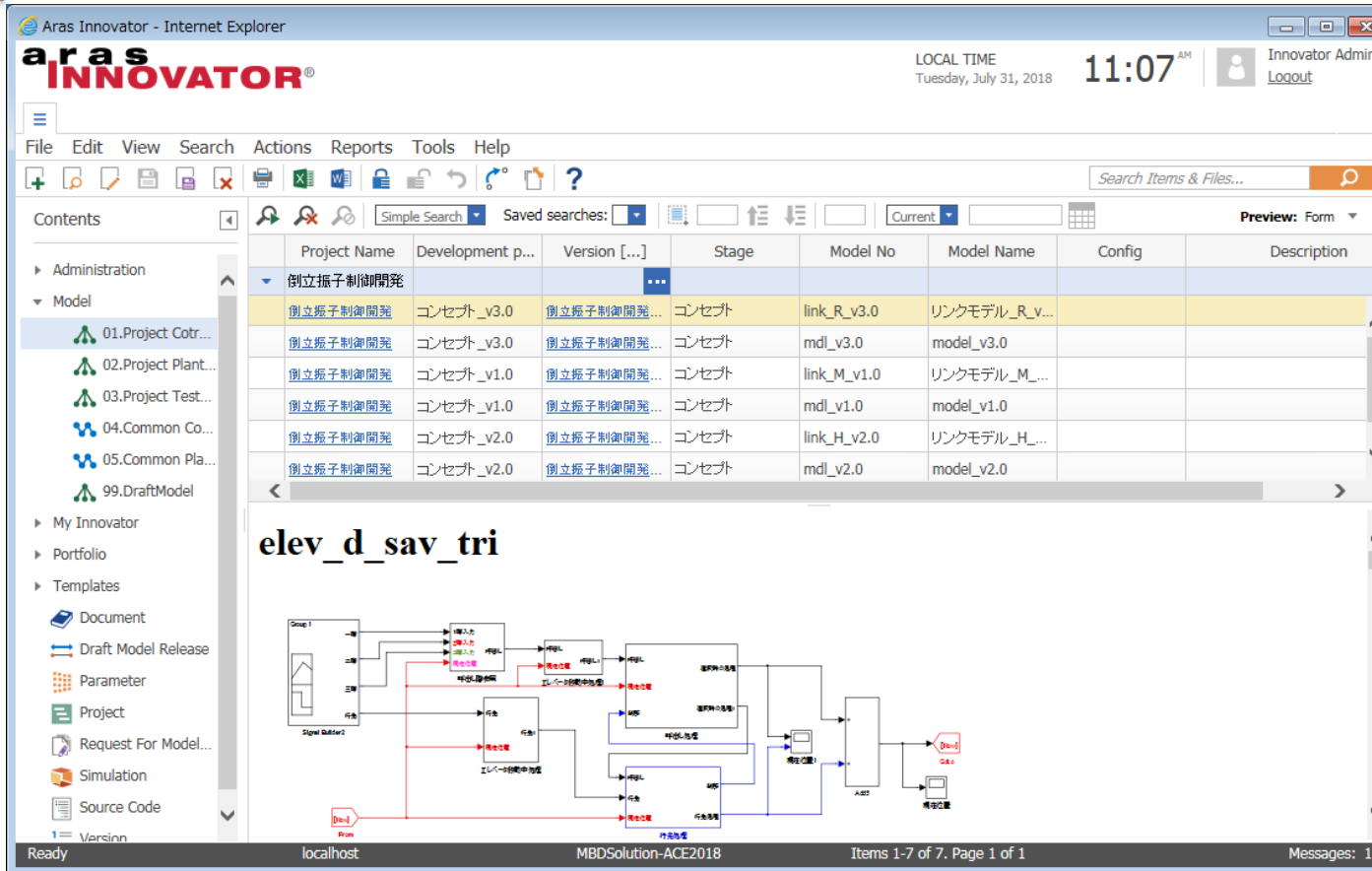


Package layout



Function

Manage models and configurations linked to events and development phases.



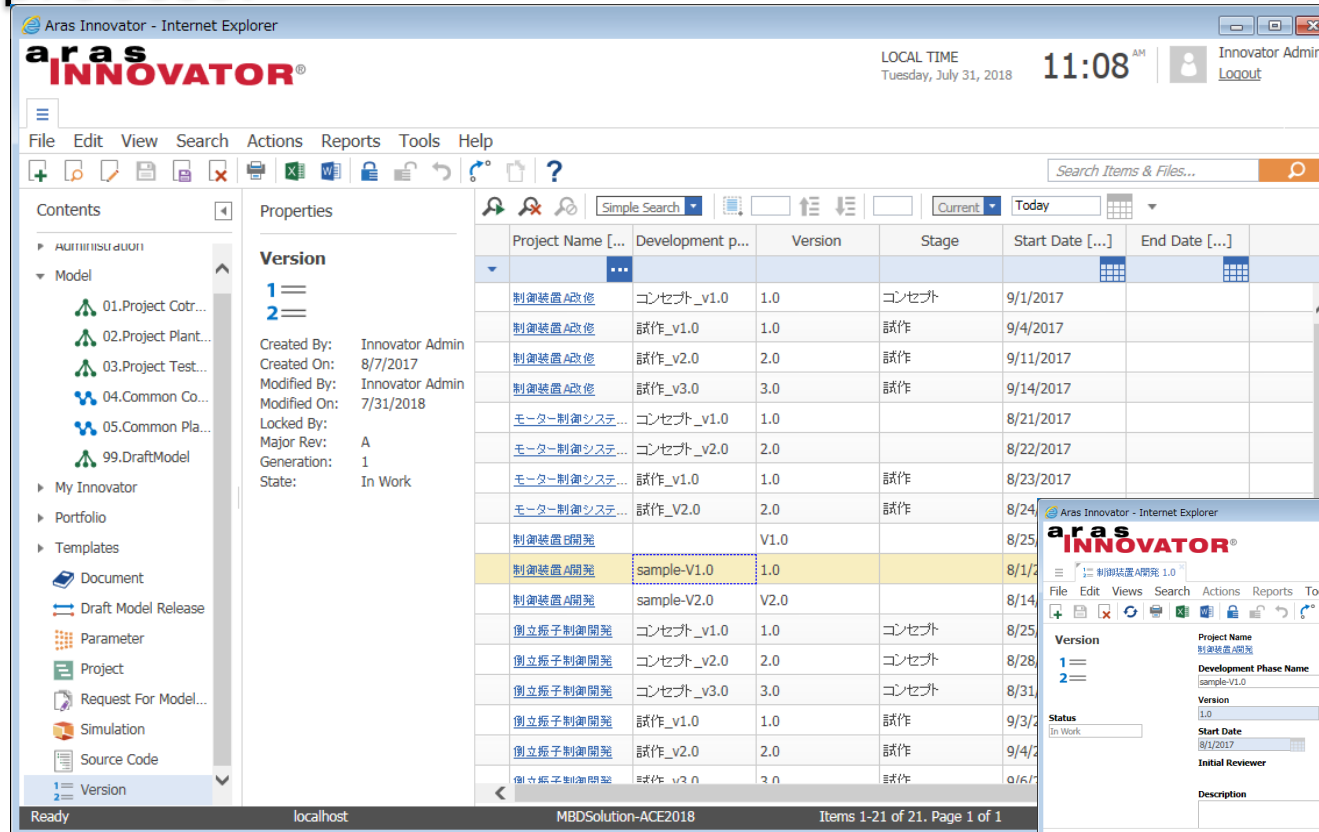
Project Name	Development p...	Version [...]	Stage	Model No	Model Name	Config	Description
倒立振り制御開発	コンセプト_v3.0	倒立振り制御開発...	コンセプト	link_R_v3.0	リンクモデル_R_v...		
倒立振り制御開発	コンセプト_v3.0	倒立振り制御開発...	コンセプト	mdl_v3.0	model_v3.0		
倒立振り制御開発	コンセプト_v1.0	倒立振り制御開発...	コンセプト	link_M_v1.0	リンクモデル_M_...		
倒立振り制御開発	コンセプト_v1.0	倒立振り制御開発...	コンセプト	mdl_v1.0	model_v1.0		
倒立振り制御開発	コンセプト_v2.0	倒立振り制御開発...	コンセプト	link_H_v2.0	リンクモデル_H_...		
倒立振り制御開発	コンセプト_v2.0	倒立振り制御開発...	コンセプト	mdl_v2.0	model_v2.0		

The diagram titled 'elev_d_sav_tri' shows a complex flowchart with various components and connections, including a 'Signal Builder' and several 'Process' blocks.

Traceability can be secured by registering, viewing and managing models linked with V-shaped process events and development phases.

Function

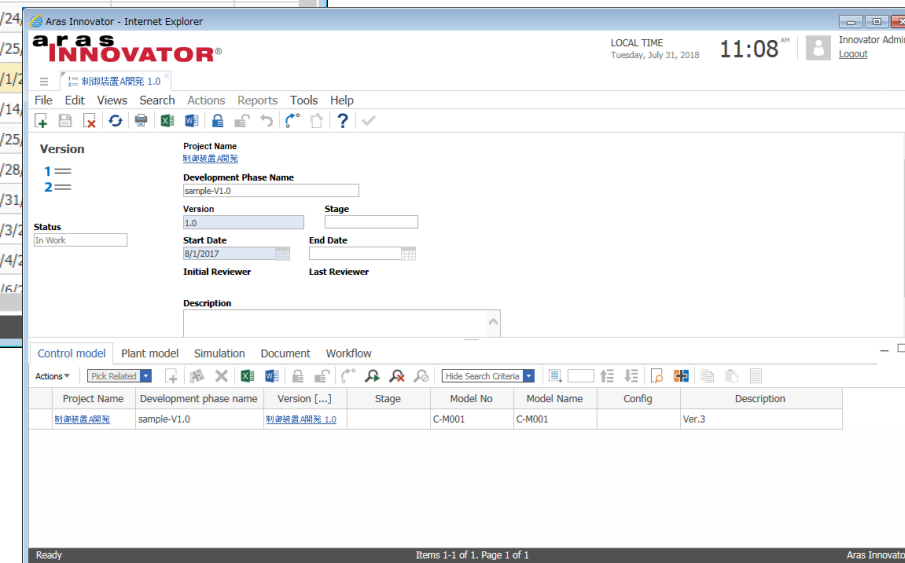
Manage deliverables in the development phase in the V-shaped process.



The screenshot shows the Aras Innovator web application interface. The main area displays a table of deliverables with columns: Project Name, Development phase name, Version, Stage, Start Date, and End Date. The table lists various deliverables such as '制御装置A改修' and 'モーター制御システム' across different versions and stages.

Project Name	Development phase name	Version	Stage	Start Date	End Date
制御装置A改修	コンセプト_v1.0	1.0	コンセプト	9/1/2017	
制御装置A改修	試作_v1.0	1.0	試作	9/4/2017	
制御装置A改修	試作_v2.0	2.0	試作	9/11/2017	
制御装置A改修	試作_v3.0	3.0	試作	9/14/2017	
モーター制御システム	コンセプト_v1.0	1.0		8/21/2017	
モーター制御システム	コンセプト_v2.0	2.0		8/22/2017	
モーター制御システム	試作_v1.0	1.0	試作	8/23/2017	
モーター制御システム	試作_V2.0	2.0	試作	8/24/2017	
制御装置B開発		V1.0		8/25/2017	
制御装置A開発	sample-V1.0	1.0		8/1/2017	
制御装置A開発	sample-V2.0	V2.0		8/14/2017	
創立振子制御開発	コンセプト_v1.0	1.0	コンセプト	8/25/2017	
創立振子制御開発	コンセプト_v2.0	2.0	コンセプト	8/28/2017	
創立振子制御開発	コンセプト_v3.0	3.0	コンセプト	8/31/2017	
創立振子制御開発	試作_v1.0	1.0	試作	9/3/2017	
創立振子制御開発	試作_v2.0	2.0	試作	9/4/2017	
創立振子制御開発	試作_v3.0	3.0	試作	9/6/2017	

We manage products, such as models, test specifications, test results, etc., during the development phase. By referring to the history of the created deliverables, it becomes possible to trace factors such as when problems occur in subsequent processes.

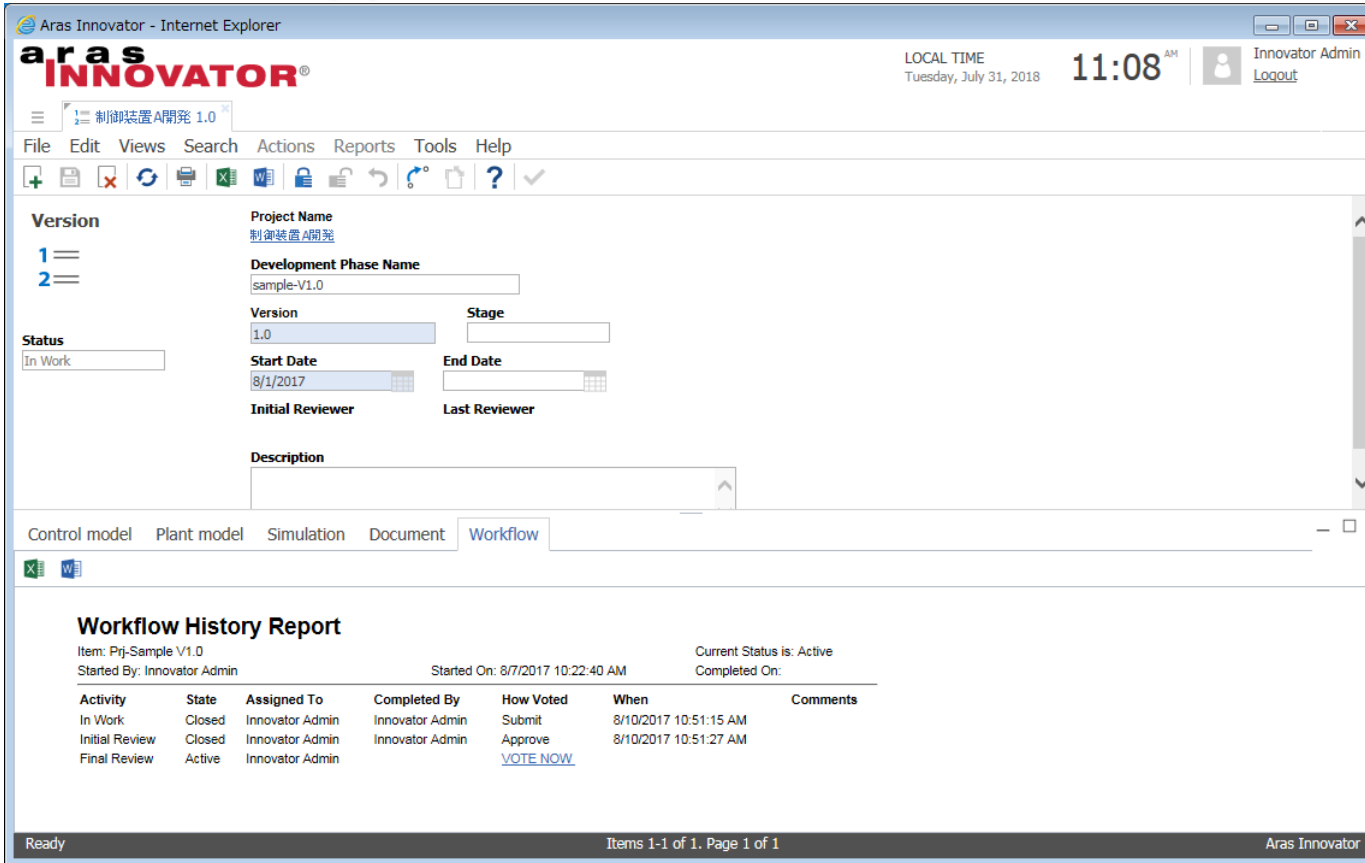


The screenshot shows the detail view of a deliverable in Aras Innovator. It displays fields for Project Name, Development Phase Name, Version, Stage, Start Date, End Date, Initial Reviewer, and Last Reviewer. Below these fields is a description area. At the bottom, there is a table showing the relationship between the project, development phase, version, model number, model name, configuration, and description.

Project Name	Development phase name	Version	Stage	Model No	Model Name	Config	Description
制御装置A改修	sample-V1.0	制御装置A改修 1.0		C-M001	C-M001		Ver.3

Function

You can approve various data in the workflow.



Aras Innovator - Internet Explorer

aras INNOVATOR®

LOCAL TIME Tuesday, July 31, 2018 11:08 AM Innovator Admin Logout

File Edit Views Search Actions Reports Tools Help

Version 1 2

Project Name 制御装置A開発 1.0

Development Phase Name sample-V1.0

Status In Work

Version 1.0 Stage

Start Date 8/1/2017 End Date

Initial Reviewer Last Reviewer

Description

Control model Plant model Simulation Document Workflow

Workflow History Report

Item: Prj-Sample V1.0

Started By: Innovator Admin Started On: 8/7/2017 10:22:40 AM Current Status is: Active Completed On:

Activity	State	Assigned To	Completed By	How Voted	When	Comments
In Work	Closed	Innovator Admin	Innovator Admin	Submit	8/10/2017 10:51:15 AM	
Initial Review	Closed	Innovator Admin	Innovator Admin	Approve	8/10/2017 10:51:27 AM	
Final Review	Active	Innovator Admin	Innovator Admin	VOTE NOW		

Ready Items 1-1 of 1. Page 1 of 1 Aras Innovator

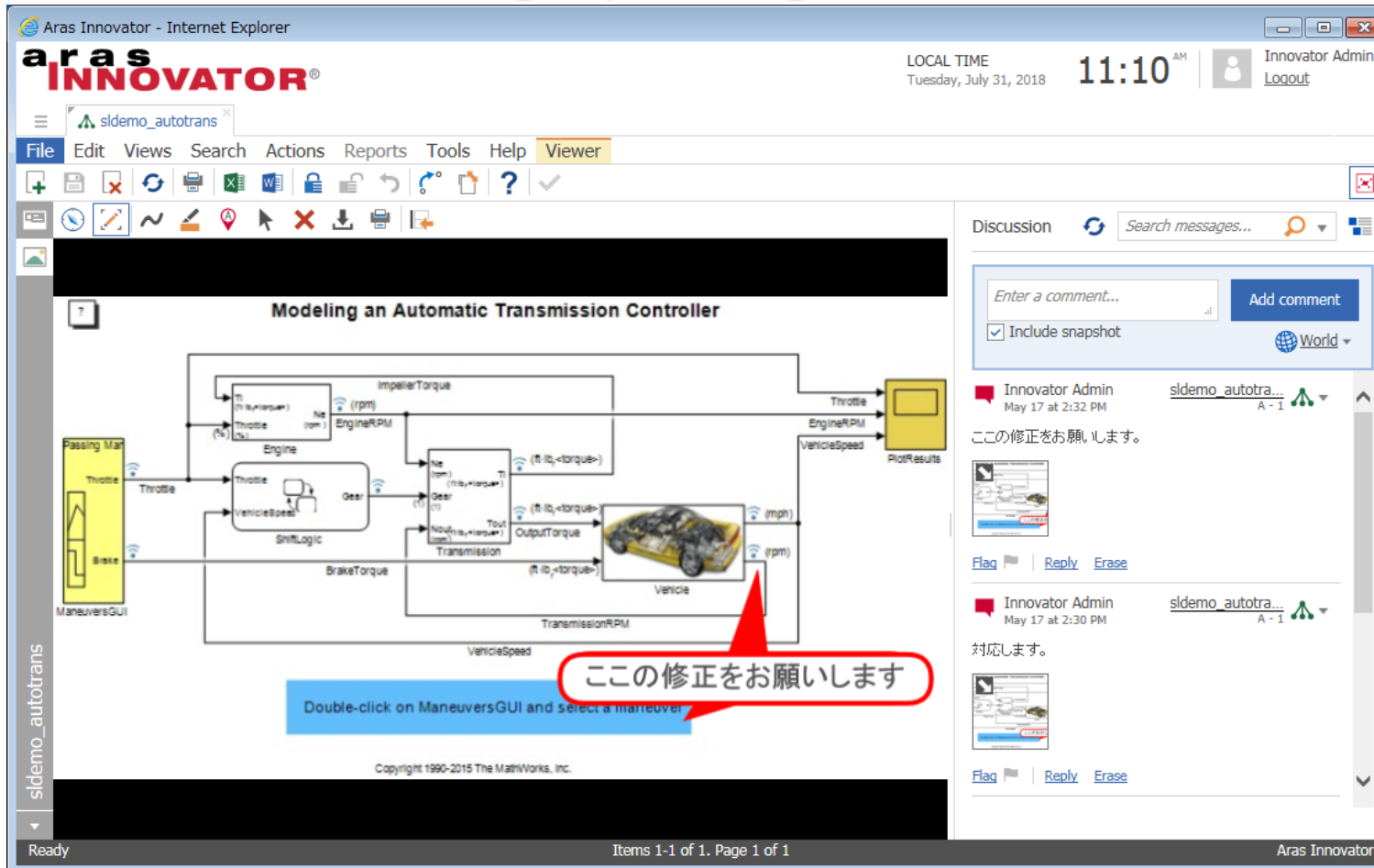
Each item (data) such as model and document can be circulated in the workflow process for each V-shaped process event or development phase.

The status changes according to workflow approval.

In addition, when you execute the workflow, it will record who approved and when it approved, you can check the approval history.

Function

Using the visual collaboration function, you can write a comment on the thumbnail image you registered.



The screenshot displays the Aras Innovator web application in an Internet Explorer browser window. The main content area shows a Simulink model titled "Modeling an Automatic Transmission Controller". The model includes components like "Passing Man", "Engine", "Gear", "ShiftLogic", "Transmission", and "Vehicle", with various signal flows and data stores. A red arrow points to a thumbnail image of the model, with a red oval containing the Japanese text "この修正をお願いします" (Please make this correction). Below the model, a blue box contains the text "Double-click on ManeuversGUI and select a maneuver".

On the right side, there is a "Discussion" panel. It features a search bar, a comment input field, and an "Add comment" button. Below this, there are two comments from "Innovator Admin" dated May 17 at 2:32 PM and 2:30 PM. The first comment says "この修正をお願いします。" (Please make this correction.) and the second says "対応します。" (We will respond.). Each comment has a thumbnail image of the model and links for "Flag", "Reply", and "Erase".

The bottom status bar of the browser window shows "Ready", "Items 1-1 of 1. Page 1 of 1", and "Aras Innovator".

* Visual collaboration installation is required separately.



ものづくりを、もっと快適に。
seek a solution, think the best.