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# Software Distribution Design Review

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# Software Distribution Overview

- **Driving Requirements**
- **Software Design**
- **User Interfaces**
- **OO Design Models**

# Software Distribution Driving Requirements



- **General Functional Description**

- provides M&O Staff capability to distribute software, database information, and software documentation .
- Both automatic and operator-assisted/controlled distribution services will be provided.
- Tivoli/Courier, a COTS product, with some customization will satisfy the requirements.

- **New Release B Features**

- All functionality for Software Distribution is new to Release B.

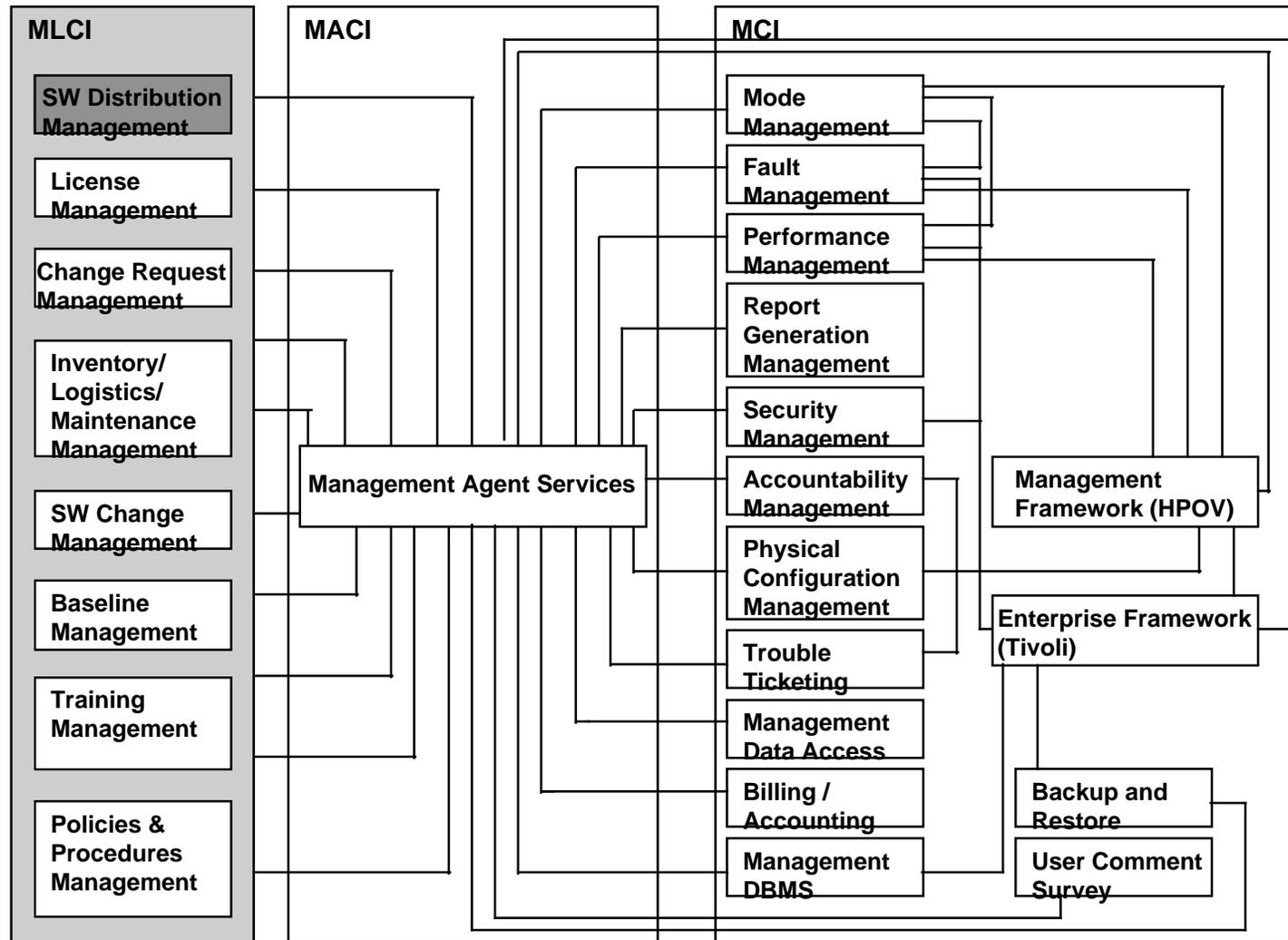
- **Extensibility Features**

- Tivoli/AEF (Application Extension Facility), gives the capability to add fields to a dialog, create attributes and methods for the filepackage resources, and create custom icons and bitmaps.
- Tivoli/ADE (Application Development Environment), gives the capability to programmatically change the functionality of various methods.

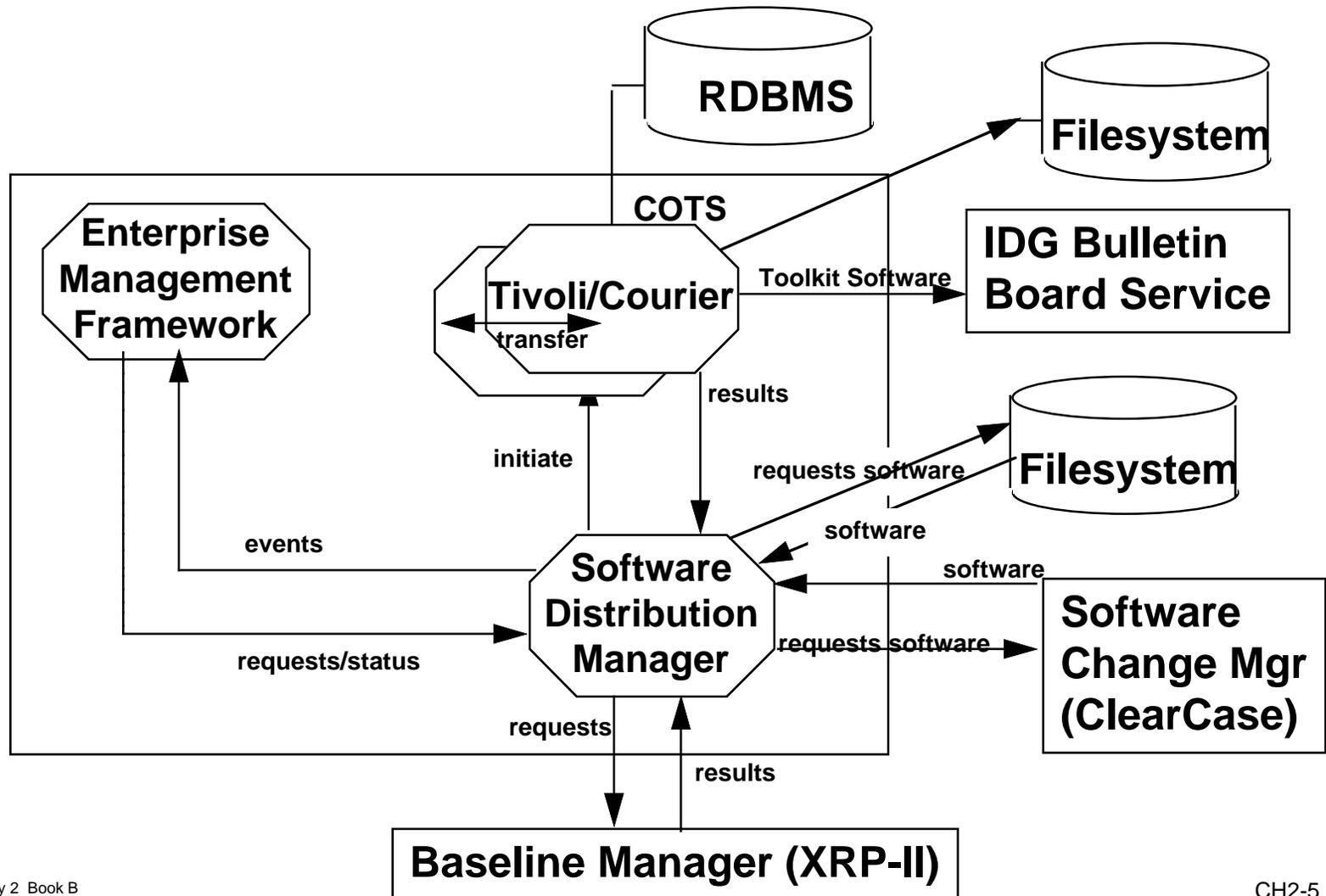
**(Refer to Section 5.7 of DID 305-CD-029-001 for detailed information)**



# MSS Software Architecture Overview



# Software Distribution Software Architecture



# User Interface



## Overview

- **Using the Tivoli/Courier GUI, the authorized user will complete the necessary information to distribute software from one point to another. This necessary information includes: assemble files, select scripts to run before and after the distribution, and selecting what machines and when to distribute the package.**



# Object Model

The following object models will be reviewed:

<u>Model Name</u>	<u>Document Reference</u>	<u>Diagram Reference</u>
Software Distribution	DID 305-CD-029-002	5.7-2



# Dynamic Model

The following event traces will be reviewed:

<u>Event Trace Name</u>	<u>Document Reference</u>	<u>Diagram Reference</u>
Unsuccessful Software Package Transfer	DID 305-CD-029-002	5.7-3



# Event Trace

## Unsuccessful Software Package Transfer

### Scenario:

**This scenario traces the actions associated with the transferring of a software package by a Configuration Manager for distribution to an ECS site.**

### Assumptions:

**The Configuration Manager has already been authorized to access the distribution system.**

### Preconditions:

**The Configuration Manager has an assembled software package that needs to be distributed.**

### Postconditions:

**The Configuration Manager has successfully transmitted the software package to another Site.**