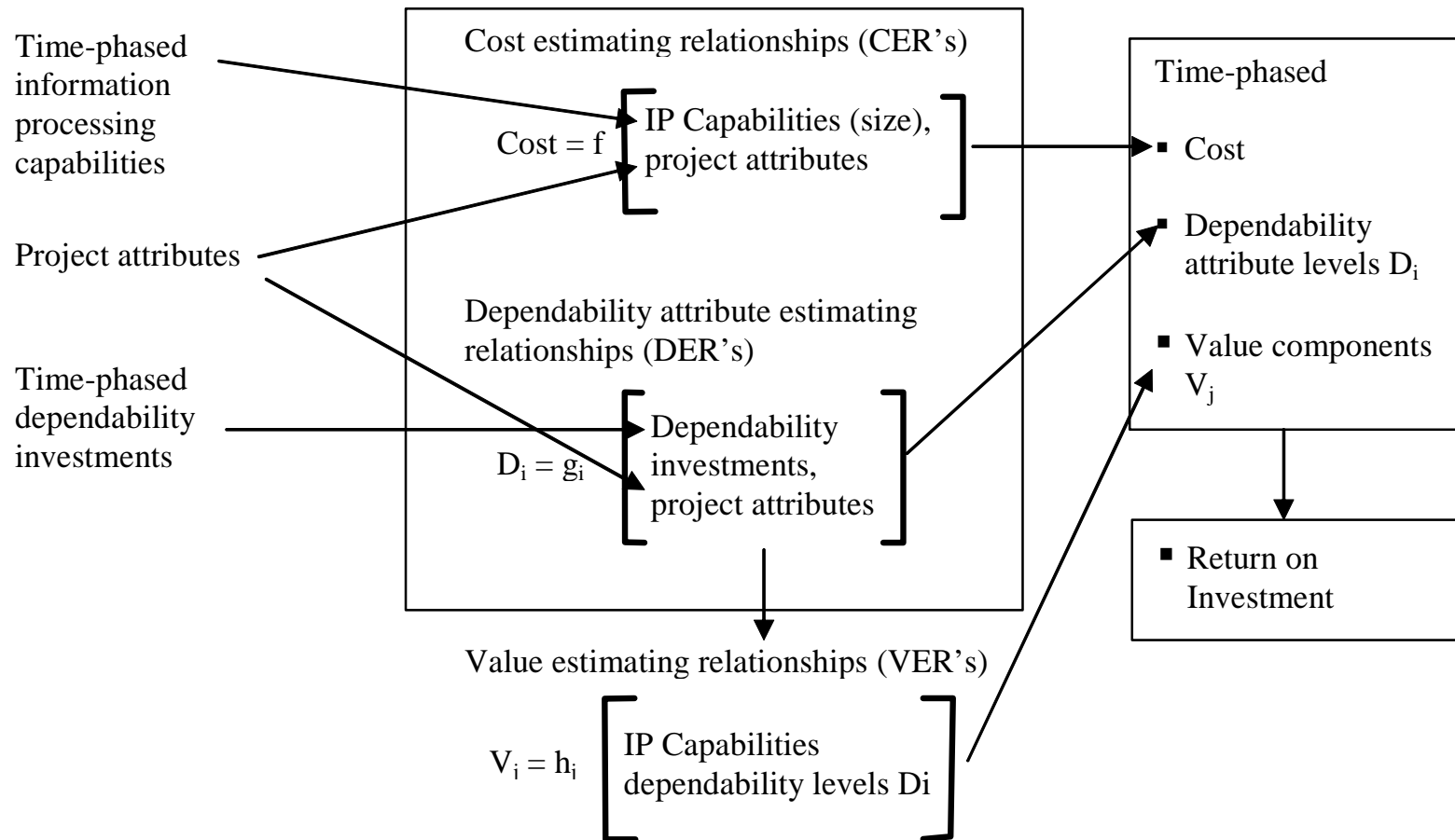


iDAVE Model Framework



iDAVE Tool


— Step 1: Overall Project Information

Microsoft Excel - iDAVE

File Edit View Insert Format Tools Data Window Help Acrobat

U16 =

1 A B C D E F G H I J K L M N O P

2  **iDAVE**

3

4 Step 1: Project Overall Information

5 Note: White cell is for input; yellow area is output.

6

7 Project Name:

8

9 SLOC:

10

11 COCOMO II Cost Drivers

12

13 **SCALE FACTORS**

14

15

16 **PRODUCT PARAMETERS**

17

18

19

20 **PLATFORM PARAMETERS**

21

22

23

24 **PERSONNEL PARAMETERS**

25

26

27

28 **PROJECT PARAMETERS**

29

30

31

32

33 Please choose one of the following two approaches to define your *previous and improved* RELY rating:

34 Approach I: COQUALMO Defect Removal Profiles Based On Your RELY Cost Driver Rating (VL--XH)

35 Approach II: RELY Cost Driver Rating (VL--XH) Based On Your Defined COQUALMO Defect Removal

36

StartPage / PreviousDepRatingsII / Cost_Driver_Values / Cost_Driver_Definition

Ready

iDAVE Tool

— Step 2: Previous Dependability Ratings (approach I)

The screenshot displays the iDAVE Tool interface for Step 2: Previous Dependability Ratings (Approach I). The interface includes a menu bar (File, Edit, View, Insert, Format, Tools, Data, Window, Help, Acrobat) and a toolbar with various icons. The main workspace is divided into several sections:

- Row 1:** Title "Step 2: Previous Dependability Ratings (Approach I)" in a pink header.
- Row 2:** Note: "Note: White cell is for input; yellow area is output."
- Row 4:** "Dependability Level Cost Driver: RELY" with a dropdown menu set to "H".
- Row 7:** "COQUALMO Defect Removal Profiles Based On Your RELY Cost Driver Rating (VL--XH)".
- Row 9:** Three input fields: "Automated Analysis" (H), "Peer Reviews" (H), and "Execution Testing and Tools" (H).
- Row 11:** A table with the following data:

Estimates	Requirements	Design	Code	Total
Number of Defects Introduced	1974	3792	5186	10952
Number of Defects Removed	1614	3214	4736	9564
Number of Defects Remaining	360	578	450	1388
- Row 19:** "Project Size (SLOC): 380,000" and "Defect Density (D/KSLOC): 3.7".
- Row 22:** "The Resulting Mean Time Between Failure (MTBF) in hours : 10000".
- Row 24:** "Please click 'Next' button to go to step 3:" with a "Next" button.

The status bar at the bottom shows the file path: "Ready" and "StartPage\PreviousDepRatingsI\Cost_Driver_Values\Cost_Driver_Definitions/".

iDAVE Tool

— Step 2: Previous Dependability Ratings (approach II)

Step 2: Previous Dependability Ratings (Approach II)

Note: White cell is for input; yellow area is output.

COQUALMO Defect Removal Profiles:

Automated Analysis: Peer Reviews: Execution Testing and Tools:

COQUALMO Defect Removal Profiles' Percentage Distribution (Add Up To 100%)

Automated Analysis: % Peer Reviews: % Execution Testing and Tools: %

RELY Cost Driver Rating (VL--XH) Based On Your Defined COQUALMO Defect Removal Profiles

Dependability Level Cost Driver: RELY Adjust Factor:

Estimates	Requirements	Design	Code	Total
Number of Defects Introduced	1974	3792	5186	10952
Number of Defects Removed	1648	3342	4852	9842
Number of Defects Remaining	326	449	334	1109

Project Size (SLOC): Defect Density (D/KSLOC):

The Resulting Mean Time Between Failure (MTBF) in hours:

Please click "Next" button to go to step 3:

Ready

iDAVE Tool

— Step 3: Improved Dependability Ratings

The screenshot shows the iDAVE Tool interface for Step 3: Improved Dependability Ratings (Approach I). The interface includes a menu bar (File, Edit, View, Insert, Format, Tools, Data, Window, Help, Acrobat), a toolbar with various icons, and a main workspace with a light blue background. The workspace contains the following elements:

- Row 1: **Step 3: Improved Dependability Ratings (Approach I)**
- Row 2: **Note: White cell is for input; yellow area is output.**
- Row 4: **Dependability Level Cost Driver:** RELY
- Row 7: **COQUALMO Defect Removal Profiles Based On Your Selected Level Of RELY Cost Driver (VL--XH)**
- Row 9: **Automated Analysis** **Peer Reviews** **Execution Testing and Tools**
- Row 11:

Estimates	Requirements	Design	Code	Total
Number of Defects Introduced	1626	3078	4210	8914
Number of Defects Removed	1432	2897	4080	8409
Number of Defects Remaining	194	181	130	505
- Row 19: **Project Size (SLOC):** **Defect Density (D/KSLOC):**
- Row 22: **The Resulting Mean Time Between Failure (MTBF) in hours :**
- Row 25:

The status bar at the bottom shows the file path: `\\StartPage\PreviousDepRatingsI\ImprovedDepRatingsI\Cost_Driver_Values\Cost_Driver_Definitions\` and the status "Ready".

