The Zachman Framework for Enterprise Architecture™

The Enterprise Ontology™

Version 3.0

Zachman Framework V3.0 for Enterprise Architecture

V1.0 of the Zachman Framework for Enterprise Architecture evolved from 1987. Over this period various people incorporated inconsistent terminology. To correct this inconsistency, in October 2008 John Zachman released V2.0 of the framework. In August 2011 he released V3.0, as illustrated in Figure 1.9.

This clears up a number of misconceptions and misunderstandings that have occurred over the years with the original version of the Framework (Version 1.0). A full-size graphic is provided online in PDF and Landscape print mode [[1]].

The column headings are now more consistent with the interrogatives, which have been moved to the bottom. The top row of each column provides a broad example. For instance the *What* column is about *Data* and *Inventory Sets* (as a broad example at the top); the *How* column is about *Function* and *Process Transformations* at the top; the *Where* column is about *Network* and *Distribution Networks* at the top; the *Who* column is about *People* and *Responsibility Assignments* at the top; the *When* column is about *Time* and *Timing Cycles* at the top; and the *Why* column is about *Motivation* and *Motivation Intentions* at the top.

The Row naming has also now changed to more meaningful terms:

- Row 1 is now the *Executive Perspective* on the left—for *Business Context Planners* and *Identification* across the columns; with the right axis showing this addresses *Scope Contexts* and *Scope Identification Lists* in an enterprise. In the book, we will refer to this row as ***Scope***.
- Row 2 is the *Director Perspective* on the left—for *Business Concept Owners* and *Definition* across the columns; with the right axis showing this addresses *Business Concepts* for *Business Definition Models*. We will refer to this row as ***Business***.
- Row 3 is now the *Architect Perspective* on the left—for *Business Logic Designers* and *Representation* across the columns*;* with the right axis showing this addresses *System Logic* for *System Representation Models*. We will refer to this row as ***System***.
- Row 4 is now the *Engineer Perspective* on the left—for *Business Physics Builders* and *Specification* across the columns*;* with the right axis showing this addresses *Technology Physics* for *Technology Specification Models*. We will refer to this row as ***Technology***.
- Row 5 is the *Technician Perspective* on the left—for *Business Component Implementers* and *Configuration* across the columns*;* with the right axis showing this addresses *Tool Components* for *Tool Configuration Models*. We will refer to this row as ***Components***.
- Row 6 is the *Business Perspective* on the left—for *Users* of the enterprise and *Instantiations* across the columns; with the right axis showing this addresses *Operations Instances* and *Implementations.* We will call this the ***Enterprise***.

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[1] The Zachman Framework V3.0 graphic is at http://www.ies.aust.com/EA_Book/ZachmanV3.pdf.

Figure 1.1: Zachman Framework V3.0 for Enterprise Architecture

Notice that there are horizontal lines across the columns to represent integration and alignment, with double headed arrows down each column between the cells to signify transformation. We discuss alignment in Chapter 4 and Chapter 8. The examples in each cell have changed to be more illustrative, with more relevant terms than in the V1.0 Framework. The result now is a more understandable graphic for Business and for IT users of the Framework.

In V1.0 we referred to each cell by column number and row number, such as Column 1, Row 2. In V3.0 we can explicitly identify each cell by the name of each column and the purpose of each row, such as *Inventory Definition* in Figure 1.9 (for Col 1, Row 2) or *Process Representation* (for Col 2, Row 3). In the book we will use both of these reference methods to refer to individual cells for both versions of the Zachman Framework.