Institute For Enterprise Architecture Developments

Your, Return On Information SM

Extended Enterprise Architecture Framework (E2AF)

IFEAD is an independent research and information exchange organization working on the future state of Enterprise Architecture

Security
Governance
Privacy

Abstraction Levels / Aspect Areas	Why? Vision / Strategy Principles / Environment / Scope — Contextual Level	With Who? Value Net Relations Cooperating / Collaborating Elements — Environmental Level	What? Requirements Representation — Conceptual Level	How? Logical Representation — Logical Level	With what? Solution Representation — Physical Level	When? Enterprise Impact — Transformational Level
Business	*Business Goals, Drivers and Concepts* • Corporate Strategic Plans • Extended Business Drivers • Extended Guiding Principles • Scope of Collaboration • Environmental Dynamics, e.g. Laws • Business Goals & Objectives, KPI's Viewpoints = Competition, Value Net, etc. Ends/Means = As-Is / To-Be Business Situation	*Extended Enterprise Value Net* • Collaborative Value Parties • Scope of the Collaborative value • Collaboration Contracts, Service Levels • Law & Regulations • Collaborative Business Goals & Objectives Viewpoint = Collaborative Value, etc. Ends/Means = As-Is / To-Be Collaborative Environment	*Level of Business Collaboration* • Program Goals & Objectives • Business Requirements • Business Relationships • Budget of Change • Stakeholders / Win-Win Conditions • Quality of Services Characteristics = Time, Flexibility, Availability, Security, Maintainability, etc. End = Business Purpose	*Type of Business Collaboration* • Organisation Structure • Business Area Structure • Role Players / Actors • Value Net Position • Business Culture • Business Commitment • Business Rules Viewpoint = Business Perspective End = Business Behaviour	*Solutions of Business Collaboration* • Business Functions structure and relations • Business Tasks / Activities • Business Objects • Business Resources • Business Knowledge • Business Benefits • Technology Possibilities End = Business Outcome / Business Solutions	*Granularity of Change* • Enterprise Business Case • Enterprise Transformation Roadmap • Enterprise Priority Plan • Enterprise Budget Plan • Enterprise Governance Plan *e.g. Business Process Redesign or Outsourcing* End = Enterprise Business Transformation
Information	*Activities the Business Performs* • Enterprise Information Policy • Responsibilities & Competencies • Ownership of Information • Internal / External Dependencies • Internal / External Activities in Scope Activities = Generic or Specific Activities = Critical / Overhead End = Information Situation	*Extended Enterprise Information Exchange* • Extended Information Exchange Services • Extended Information Ownership • Parties Information Confidentiality • Extended Dependencies • Activities out of Scope Information = Generic or Specific Information = Critical / Overhead End = Ext. Enterprise Information Exchange	*Level of Information Interaction* • Functional Requirements • Non-Functional Requirements • Quality of Services • Information Relations • Information Characteristics Policy = Business Purpose Domains = Functional Areas I/O = Business Resources End = Information Resources	*Type of Information Interaction* • Information Tasks / Activities • Information Objects & Relations • Information Interaction • Information Flow Characteristics • Information Resources • Information Locations Viewpoint = Interaction Perspective End = Information Behaviour	*Solutions of Information Interaction* • Type of Information Exchange •Formal / Informal • Grouping of Information Objects • Grouping of Information Resources • Type of Triggers / Events • Grouping of Information Types Priority = Dependency of Information Relation = Information Flow End = Information Solutions Sets	*Impact of Change* • Business Case • Information Systems Roadmap • Security Plan Selection = Set of ICT Supported Objects *e.g. Information Roadmap* Interface = Type of Information Exchange End = Activities to be supported by ICT
Information – Systems	*Systems Goals, Drivers and Concepts* • System Development policy • Enterprise Interoperability Policy • Business - Technology Enablers • Enterprise Responsibility of IS • Enterprise Application portfolio • Enterprise Guiding Principles End = As-Is / To-Be Information-System landscape	*Extended Enterprise Interoperability* • Enterprise Interoperability Standards • Enterprise Interoperability Governance • Enterprise Interoperability Quality of Services (e.g. Security) • Enterprise Interface portfolio • Enterprise Collaboration Principles End = To-Be Interoperability Definitions	*Level of Interoperability* • As-Is / To-Be Information Systems Environment • Functional Requirements • Non-Functional Requirements • Information-Systems Behaviour • Abstraction & Precision of Data • Quality of Services Characteristics = Time, Availability, Security, Maintainability, etc. Structure = Interfaces	*Type of Interoperability* • Product-Independent Reference Solution (PIRS) • IS Functions & behaviour • Choice of Middleware Technologies • Shared & Pluggable IS Services / Solution sets • Interface Definitions & Standards • Official & De-facto IS Standards Standards = IS Interoperability Standards End = PIRS	*Solutions for Interoperability* • Product-Specific Reference Solution (PSRS) • Map PSRM to Product Solutions and options, etc. • Interface Solutions • Implementation of Quality of Services • Refinement Technical Reference Model Viewpoints = Selection of a Product Solutions Structure = Spectrum of Styles & Solutions sets Quality = Solution Interface Characteristics End = PSRS	*Timeframe of Change* • Business Case • Make or Buy Decision • Implementation Roadmap • Tools for Development / Implementation • Governance Plan • Security Impact e.g. Design of Application & Components Priority = Dependencies End = Roadmap for realization
Technology - Infrastructure	*Technology Goals, Drivers and Concepts* • Locations in which the Business Operates • Enterprise Technology Infrastructure policy • Enterprise Business - Technology Enablers • Enterprise Responsibility of TI • Enterprise TI Portfolio • Enterprise Guiding Principles Node = Major Enterprise Business Location	*Extended Enterprise Inter-Connection* • Enterprise Inter-Connection Standards • Enterprise Inter-Connection Governance • Enterprise Inter-Connection Quality of Services (e.g. Security) • Enterprise Inter-Connection portfolio • Enterprise Inter-Connection Principles End = To-Be Inter-Connection Definitions	*Level of Inter-Connection* • As-Is / To-Be Enterprise Infrastructure • TI Principles • Functional Requirements • Non-Functional Requirements • Quality of Services Characteristics = Time, Availability, Security, Maintainability, etc. Link = Enterprise Business System Connection Node = Enterprise Business System Environm.	*Type of Inter-Connection* • Enterprise Technology Standards • Enterprise Infrastructure Profile • Enterprise Hardware Systems Profile • Enterprise Communication Profile • Enterprise Security Profile • Enterprise Governance Profile • Technical Reference Model & Standards Positioning = Allocation of IT Services ~ TRM Interaction = Concepts of Service Layering	*Solutions of Inter-Connection* • Technology Overview • Solutions & Products for Inter-Connection • Formats of Communication • Security Integration • Refinement Technical Reference Model Node = Hardware + System Software, etc. Connectivity = Middleware / Messaging, etc. End = Structure of Relations, Products + Specifications	*Timeframe of Change* • Business Case • Enterprise Transformation Plan • Enterprise Priority Setting • Enterprise IS Alignment Impact e.g. Blue Print of Technology Implementation Portfolio of Products and Components. Catalogues of used Standards End = Roadmap for Enterprise Implementation

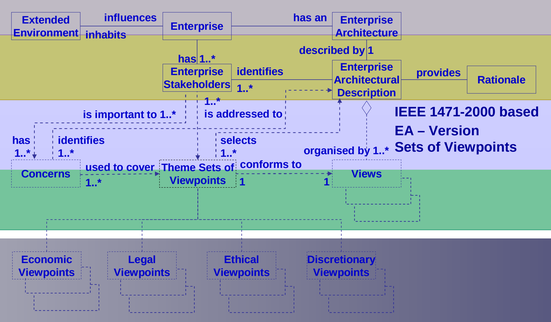
Privacy
Governance
Security

ViewPoint

ViewPoint

ViewPoint

Other Sets of ViewPoints



IEEE 1471-2000 based
EA – Version
Sets of Viewpoints

Extended Enterprise Architecture Framework (E2AF)SM Version 1.4