

EA



2004. 12. 18

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### Top 10 CIO Concerns for 2002

1. Security
2. **Enterprise Architecture**
3. Defining and Demonstrating the business value of IT
4. Business management of IT
5. Data warehousing and business intelligence
6. Budget reduction/cost containment-doing more with less
7. Mobil/Wireless strategies and technology
8. Application integration and middleware
9. Various staffing/retention and middleware
10. IT service issues and decision

Source : Gartner, Top 10 CIO Concerns for 2002



**ITA/EA**

!!!

### Federal CIO Concerns for 2002

1. Formulating or implementing an agency **Enterprise Architecture**
3. Implementing IT capital planning and investment across the agency ensuring Year 2000 operation
4. Measuring IT contribution to mission performance
5. **Aligning** IT and organizational goals
6. Providing **effectiveness IT infrastructure and related service**
7. Developing **agency-wide** IT accountability
8. Obtaining adequate resource
9. Championing business process reengineering as precursor to IT decisions and implementing **cross-government IT project**

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## ◇ EA



### ◇ CEO/CIO

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- IT
- IT



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# ) 美國 EA History

## Situation

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- ✓ IT • ↑

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- ('91)
- ✓ . .

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- ('93)
- ✓

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- ITA

## Solution

- Zachman Framework ('89)

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- ('93)

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- ('96)
- ✓ CIO
- ✓ ITA

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- ITA 가 ('01)
- ('02~)

## Outcome

- ITA

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- ITA

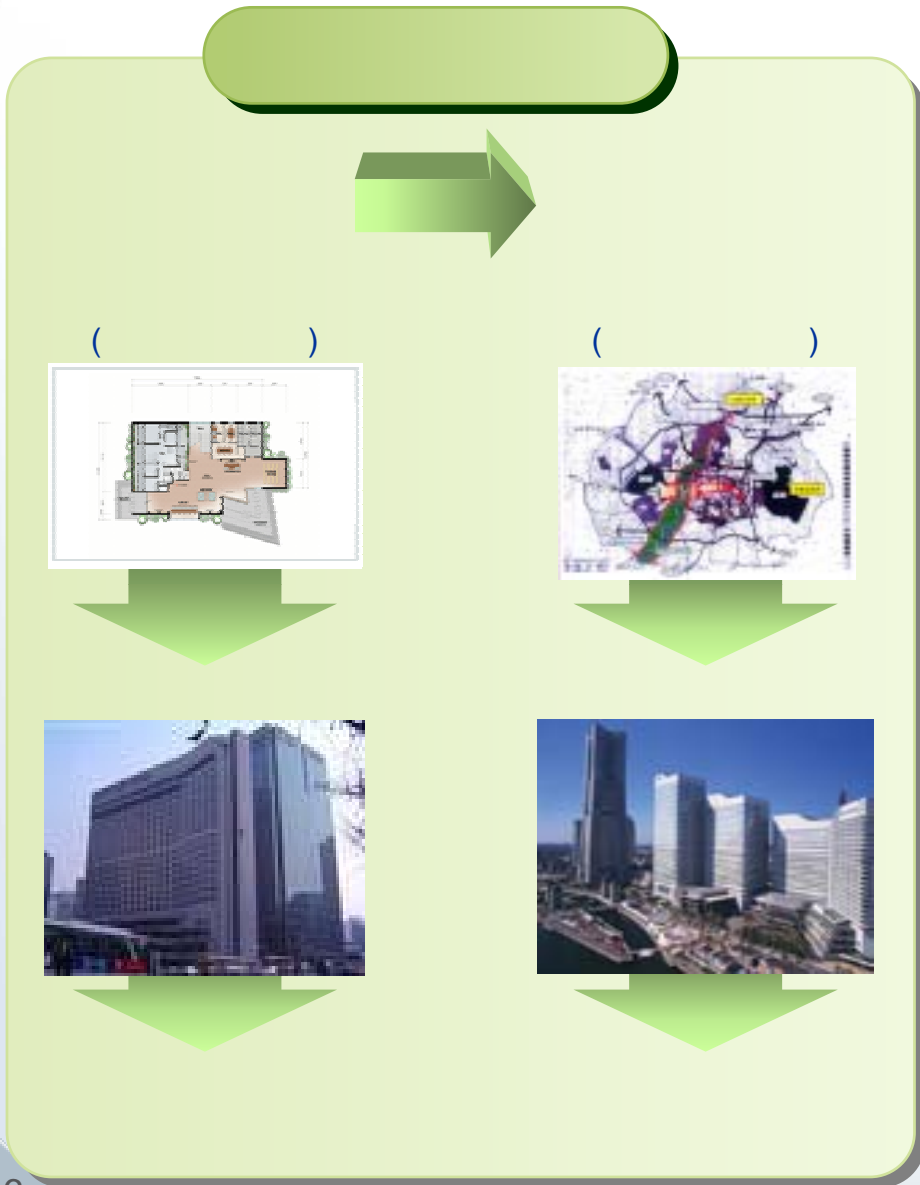
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- ITA

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- ITA

# I. EA





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(Shared IT infrastructure)

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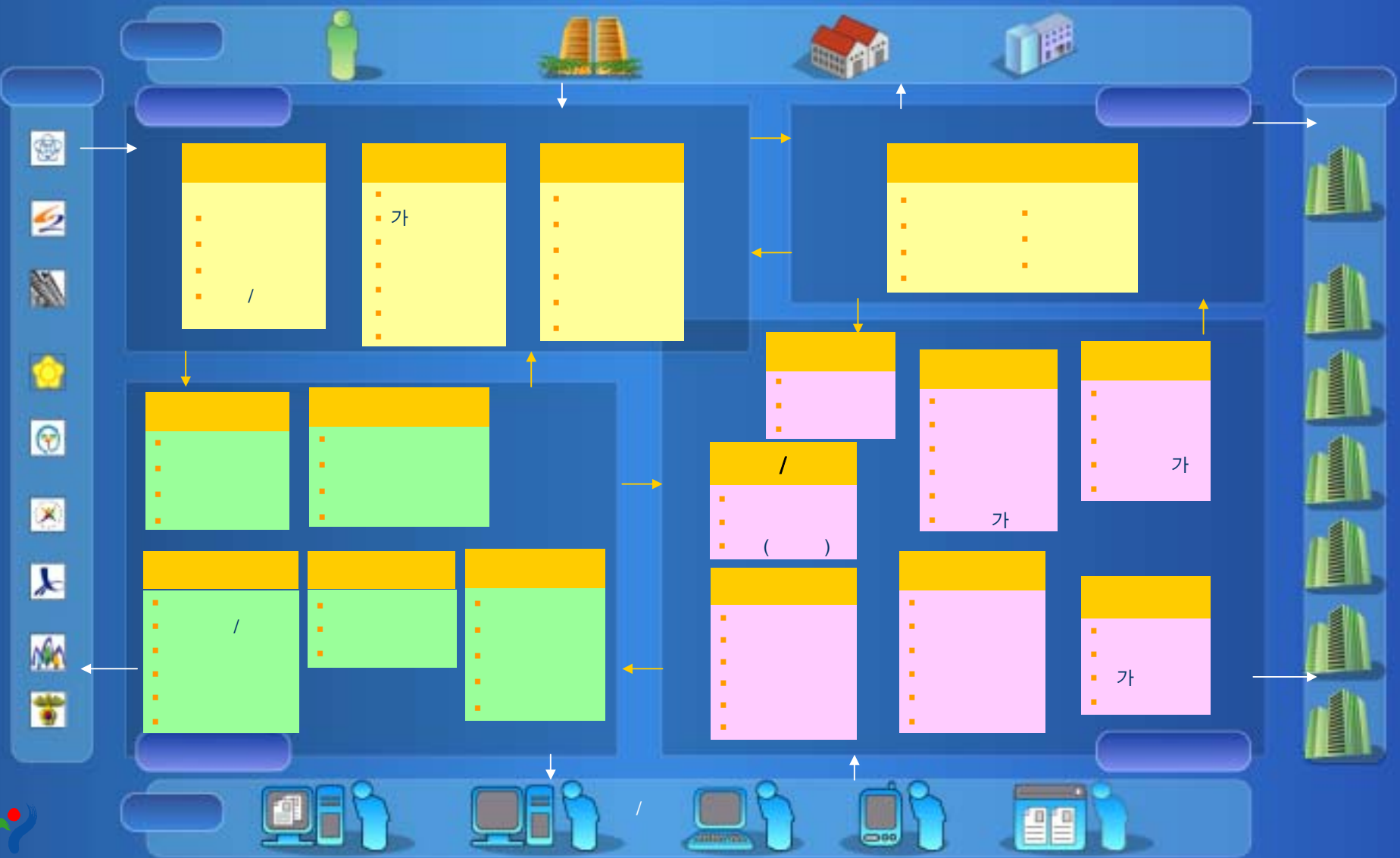
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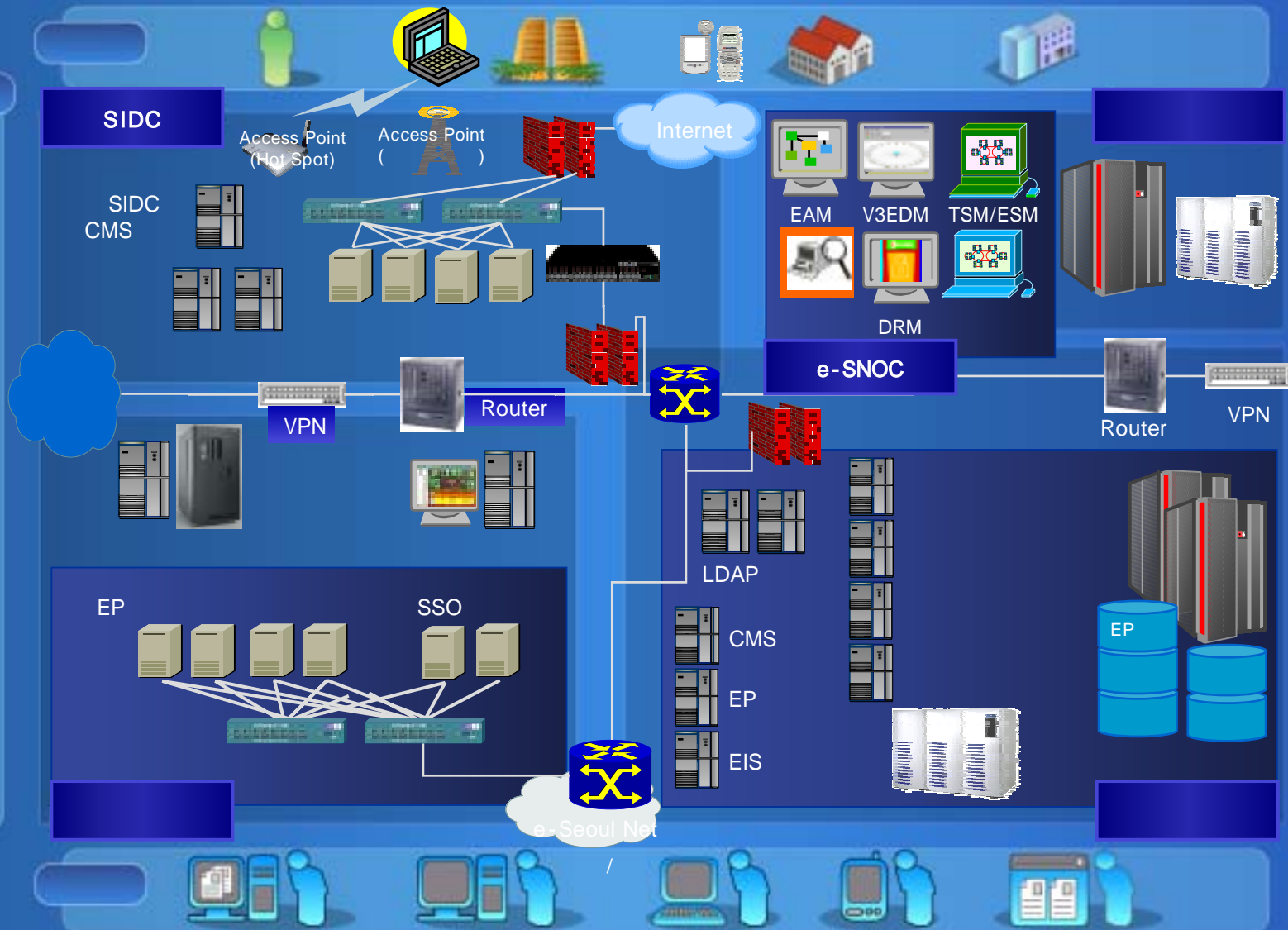
EA

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View)





- (ITMRA )
  - ➡ ITA means “ an Integrated Framework for evolving or maintaining existing information technology and acquiring new information technology”

- (OMB)
  - ➡ ITA means “ an Integrated Framework for evolving or maintaining existing information technology and acquiring new information technology”

- (ITA 가 )



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(ISP )

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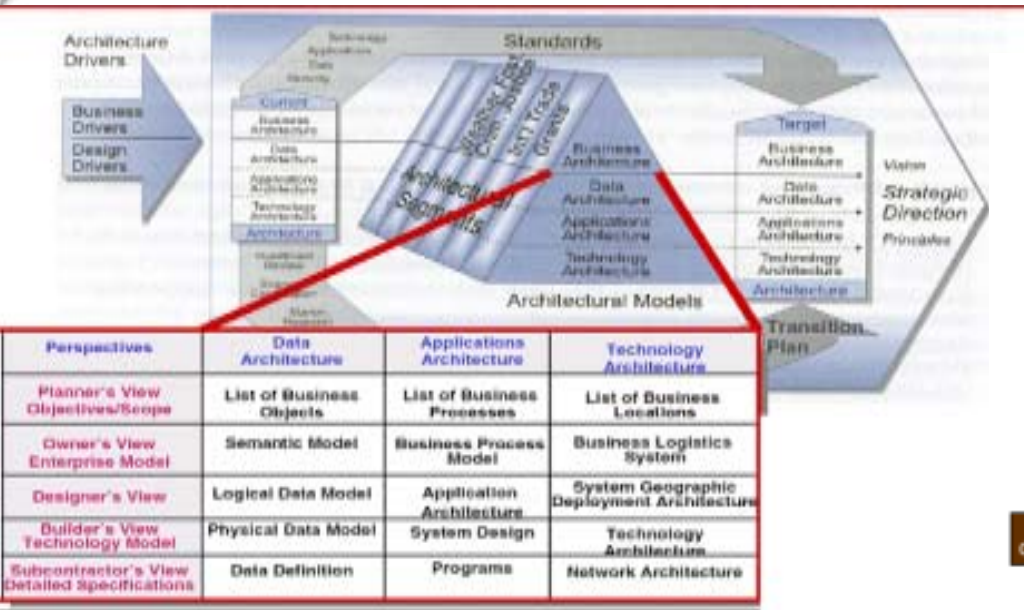
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# II. EA

# - EA



## FAEF

## DODAF



## Zachman

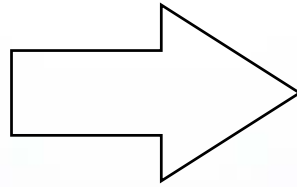
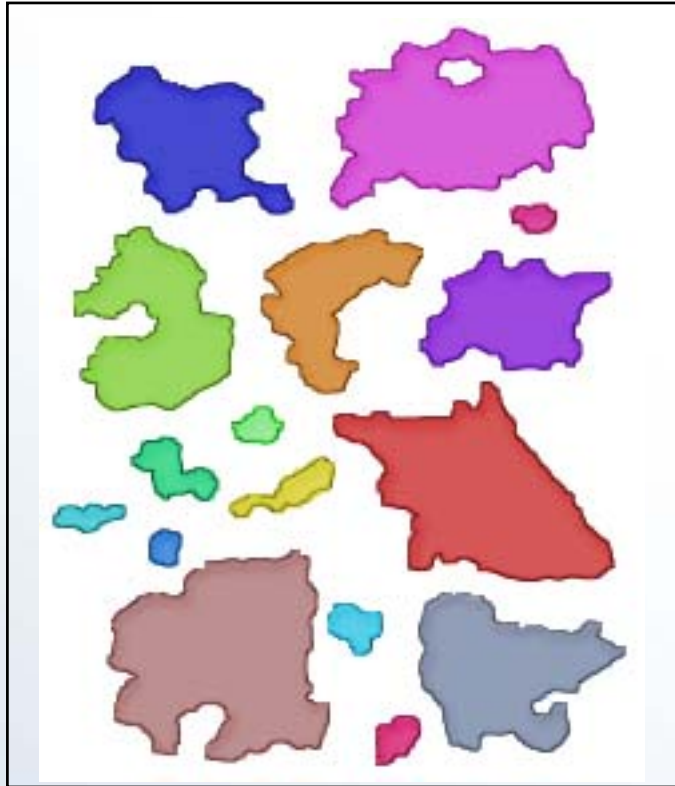
	Data	Function	Network	People	Time	Motivation
Planner	e.g., Entity Relationship Diagram	e.g., Function Flow Diagram	e.g., Logistics Network	List of Locations e.g., Organization Chart	e.g., Master Schedule	e.g., Business Plan
Owner	e.g., Data Model	e.g., Data Flow Diagram	Node=Business e.g., Disjointed System Architecture Linkage	e.g., Human Interface Architecture	e.g., Processing Cycle=Business Event	End=Business Objectives e.g., Knowledge Architecture
Designer	Rel=Business Rule e.g., Data Design	Function=Business Process e.g., Structure Chart	e.g., System	Work=Work Product e.g., Human/Technology Interface	e.g., Control Structure	e.g., Knowledge Design
Builder	Relationship=Data Relationship	Func=App Function Arg=User Views	Node=Hardware/ System Software Link=Line Char	Agent=Role Work=Deliverable	Time=System Event Cycle=Processing Cycle	End=Knowledge Definition
Sub Contractor	Entity Segment/Row e.g., Data Definition Relationship=Descriptor Key	Func=Computer,Func Arg=Screen/Device Formats	Node=Hardware/ System Software Link=Line Specification	e.g., Security Agent=User Work=Job	e.g., Timing Definition Time=Execu Cycle=Component Cycle	End=Knowledge Definition





# ) EA

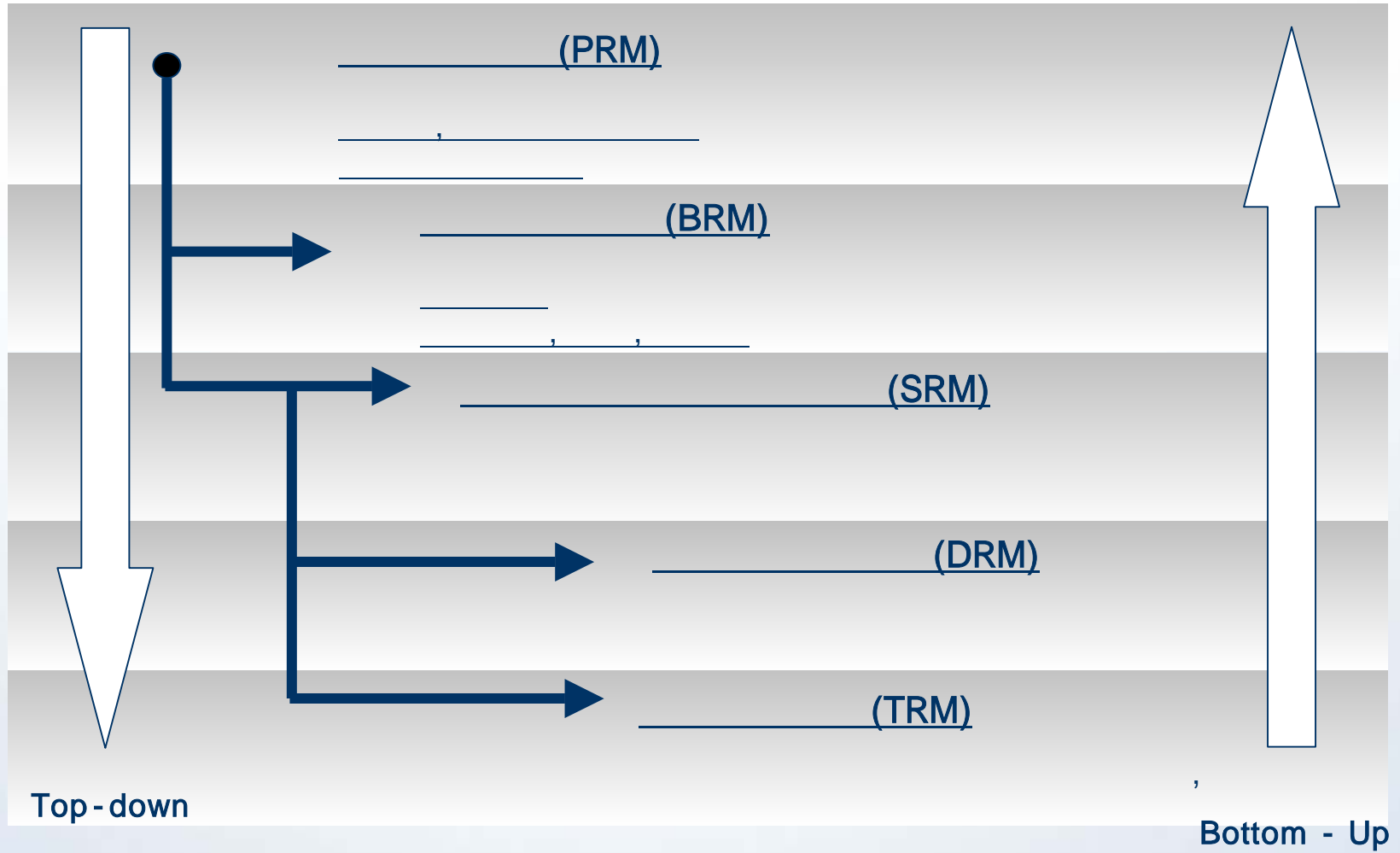
Current or "De Facto" EA



EA



## II. EA









# III.

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## ➤ EA

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Government Performance and Results Act(GPRA), 1993	❖ ❖
Clinger - Cohen Act(CCA) of 1996	❖ IT ❖ IT , , ❖ CIO , , ITA(EA)
OMB Circular A - 130 - Management of Federal Information Resources	❖ ❖ CIO EA EA OMB
OMB A - 11	❖ EA

# III.

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- ◇ IT Associate EA ( '02 11 ~ '03 3 )
- ◇ 'CIO ' EA
- 2003 3 'CIO ' 2004 EA
- CIO
- 12 , EA CIO EA
- ◇ 'EA 가 ' -
- ◇ 2004 1 EA
- 2005 EA



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History

1989

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1993

1995

1996

1997

1998

1999

2000

2001

2002

• IBM Zachman Framework

• ITMRA  
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• OMB Memo 97-16 ITA.

• FEA Framework V1.1

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• Practical Guide of FEA  
OMB Circular A-130

• e-Gov. Act  
FEAPMO ( )

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• The  
Open Group TOGAF

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• CIO  
EA (‘04)

CIO

• TTAS.KO-10.0117 ITA

• TRM/SP



• ITA  
• EA ITA

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- : ITA Enterprise Architecture
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- : • (Enterprise Architecture)
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- : (ITA, EA )
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- EA ('05 )

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- ITA (2003 )
- (2004 )
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- ITA

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, CEO IT 가

## IT

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, OMB)

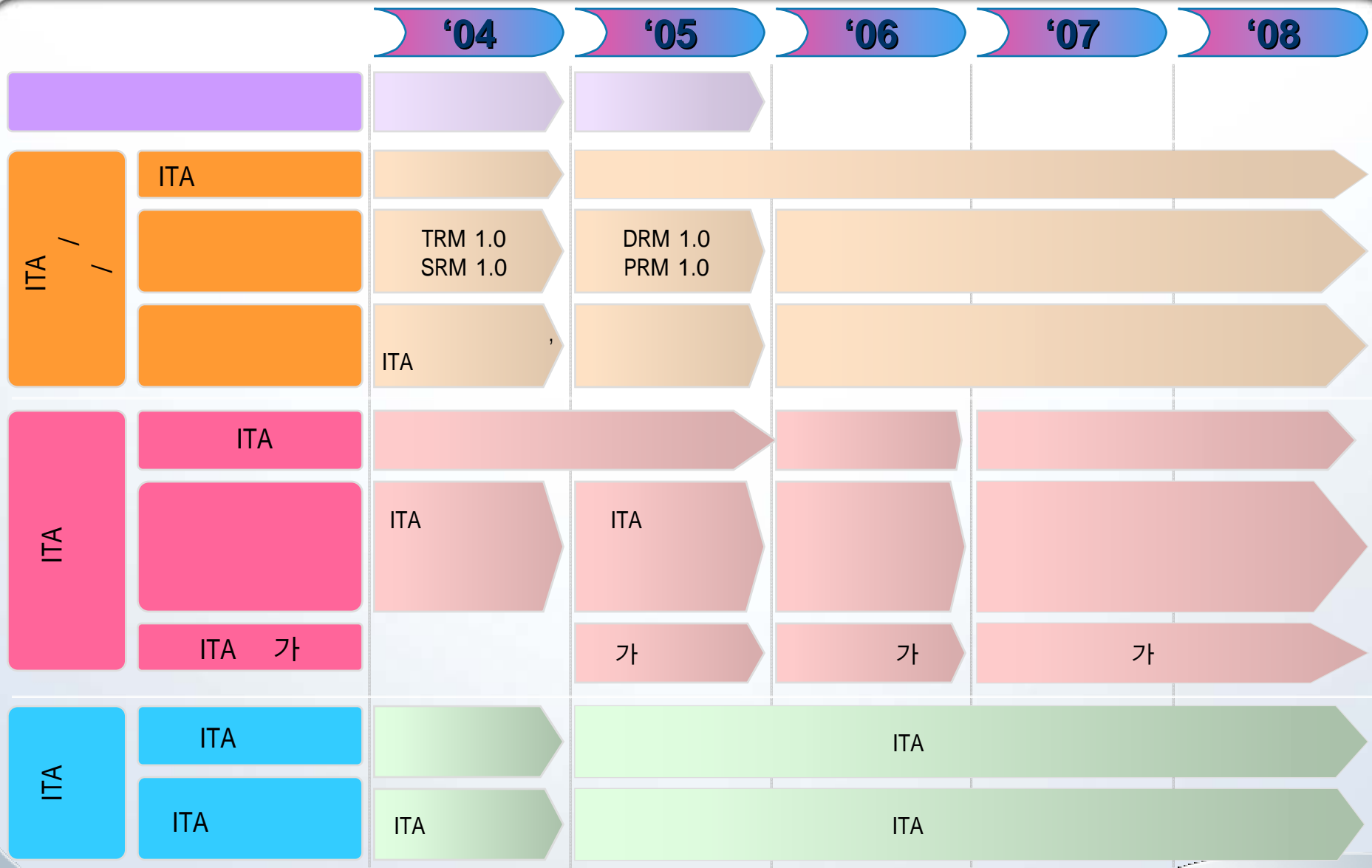
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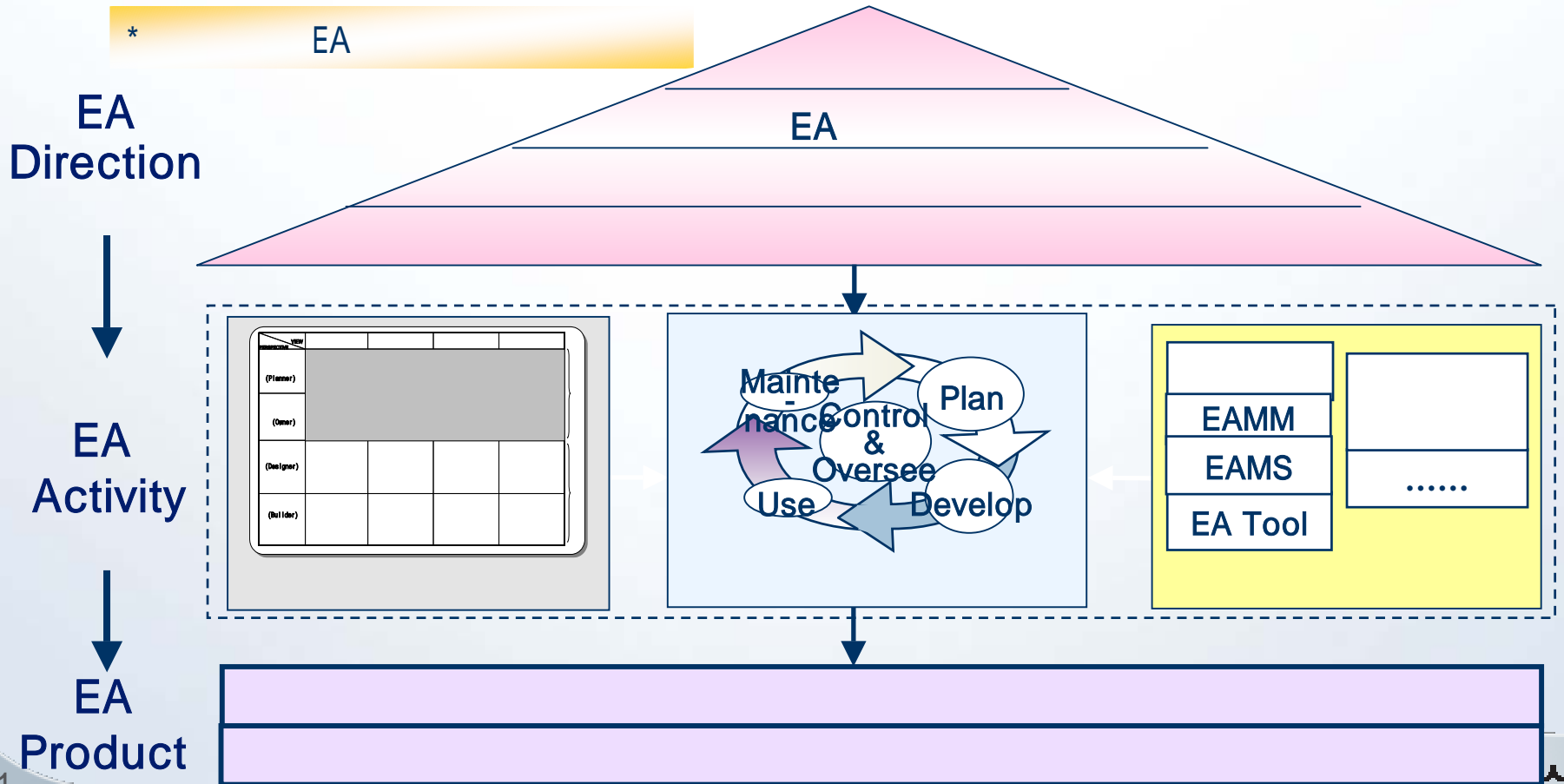
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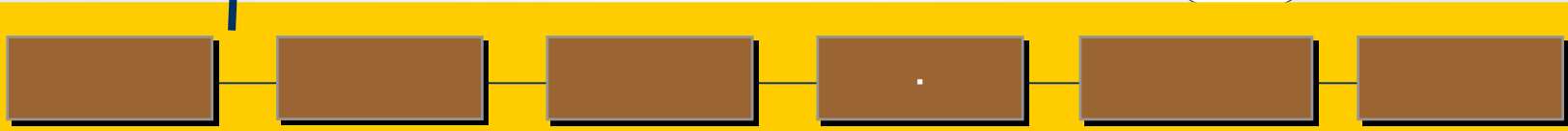
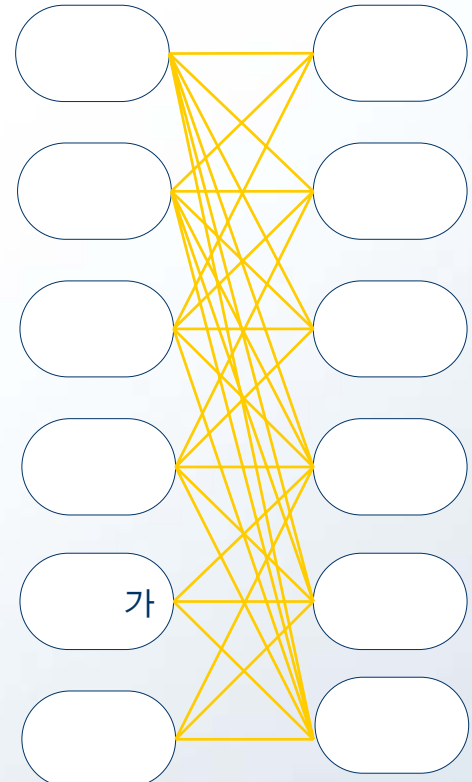
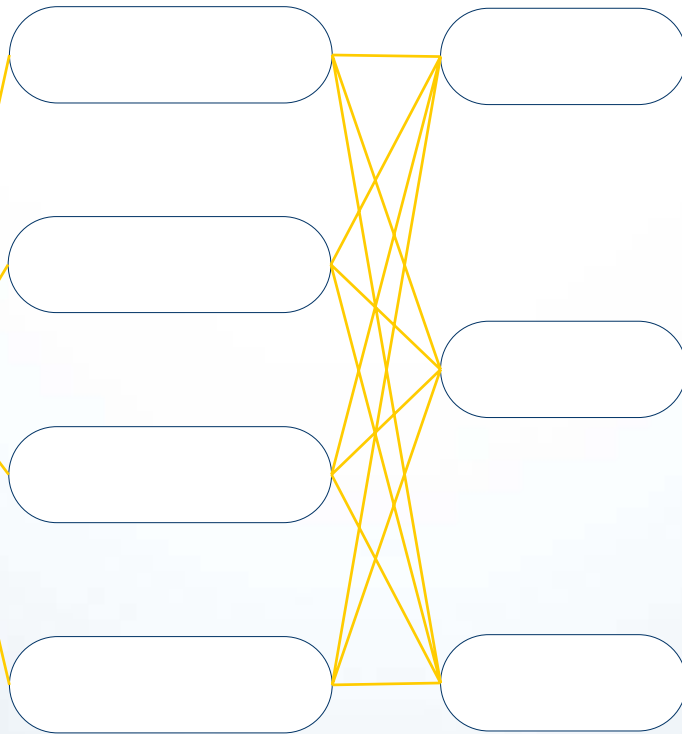
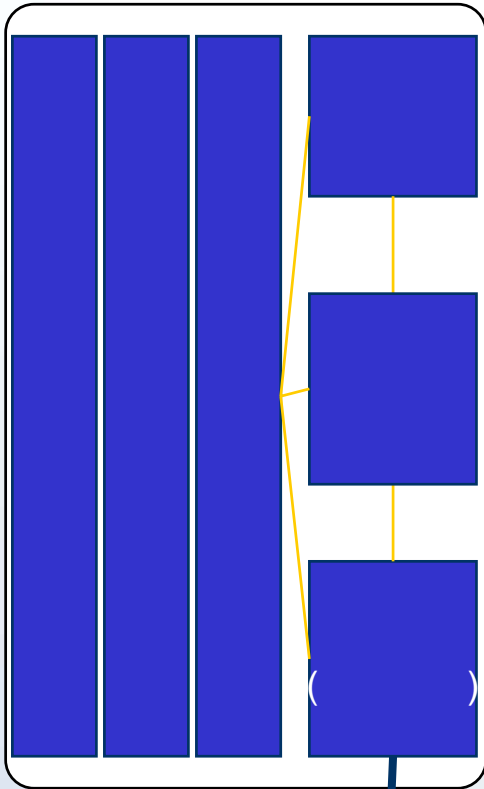
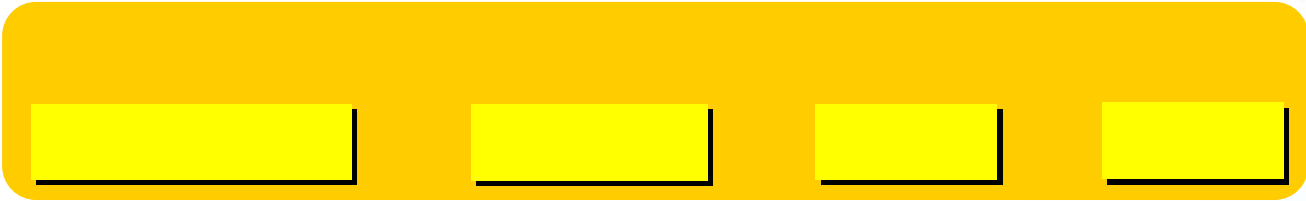
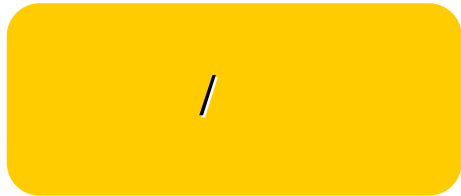
✓ EA ('03 12 (TTAS.KO-10.0153))

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(BRM)	- ( ) -	11
(SRM)	- - SRM	SRM( ) 12
(DRM)	-	DRM '05
(TRM)	- 1.0( ) - (SP)	TRM 1.0 11 SP 1.0 12
(PRM)	-	PRM '05









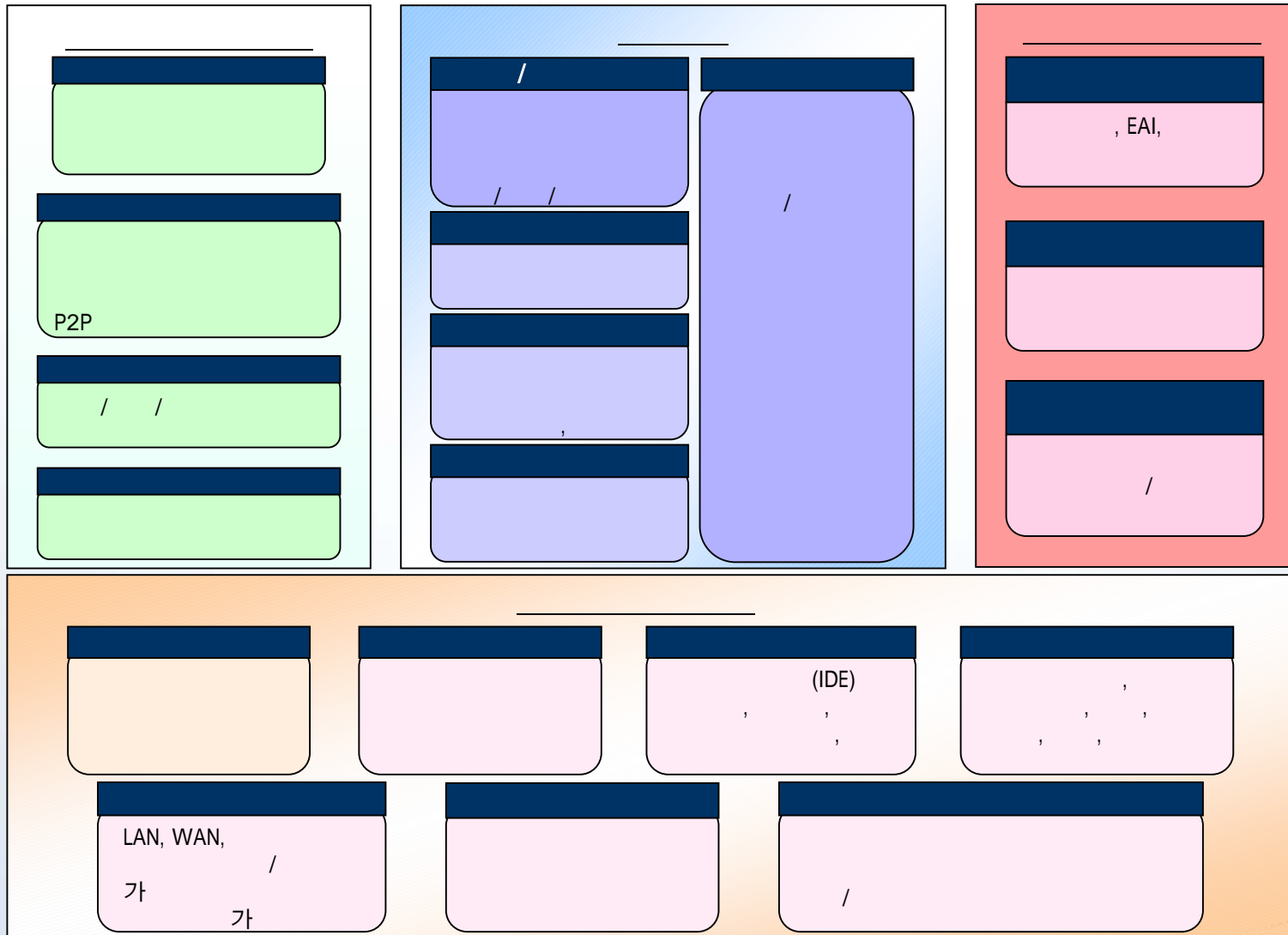




Table 2

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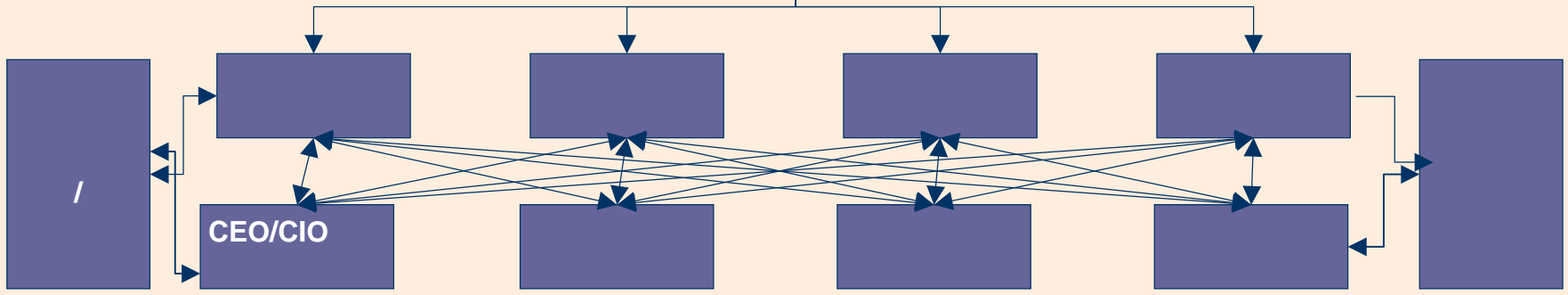
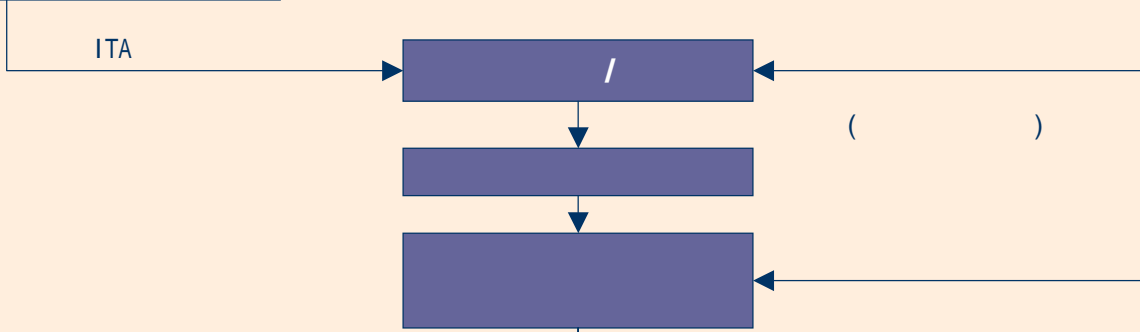
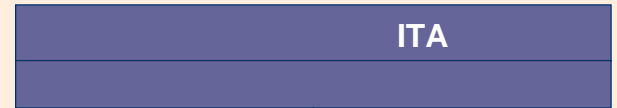
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PRM



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가 XML ('04,12 )



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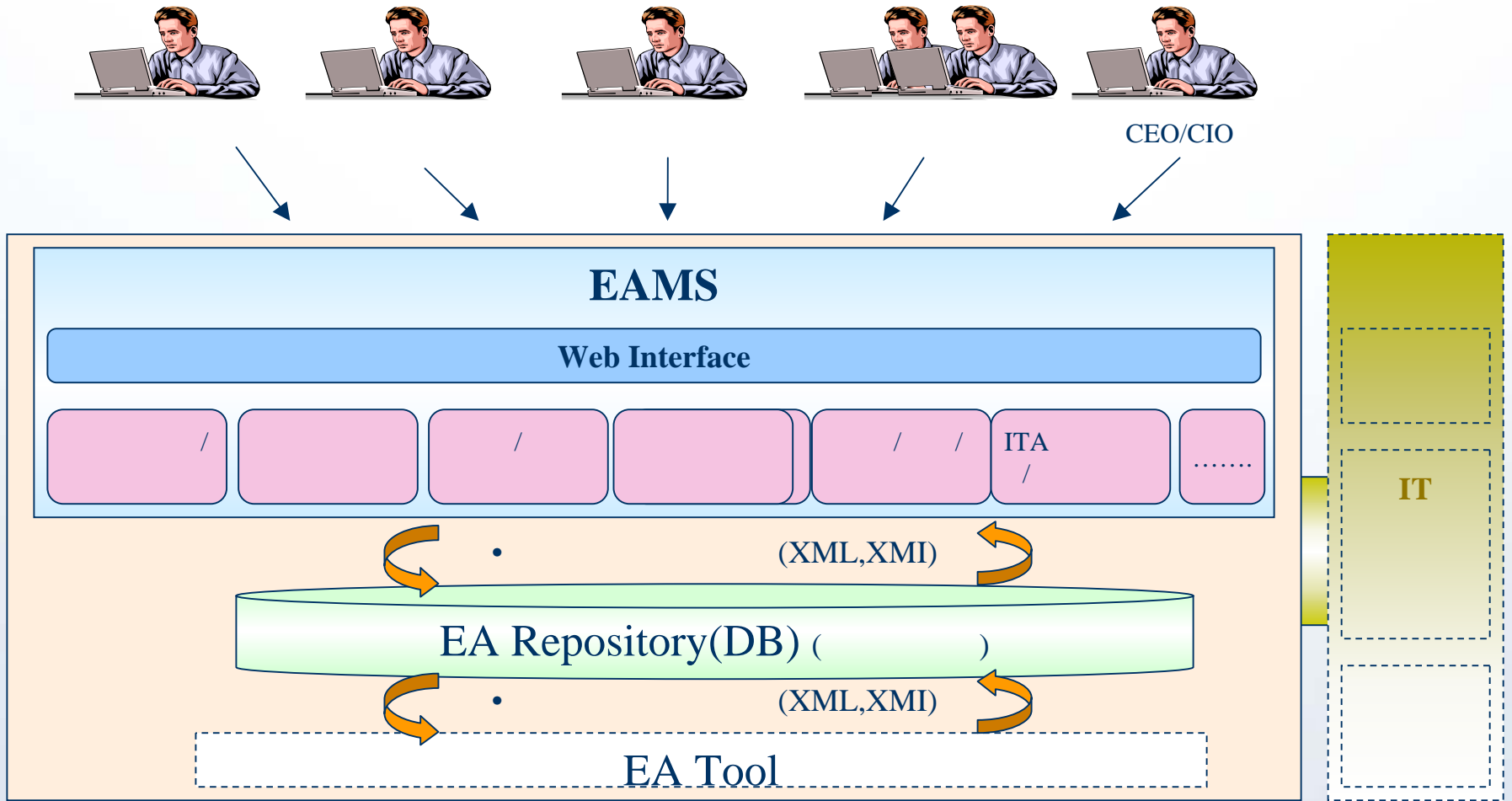
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- EA tool XML 가

- '04 12 draft -> draft ITA


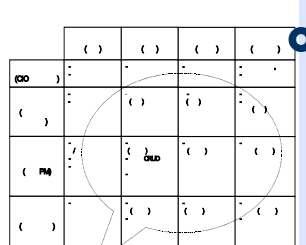
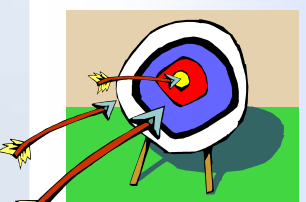
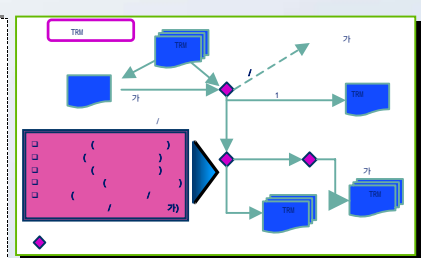
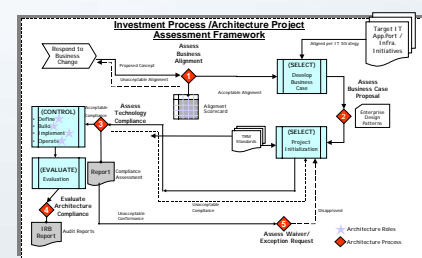
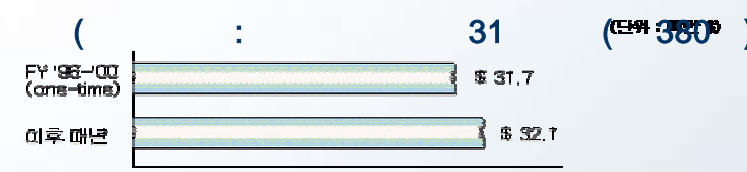
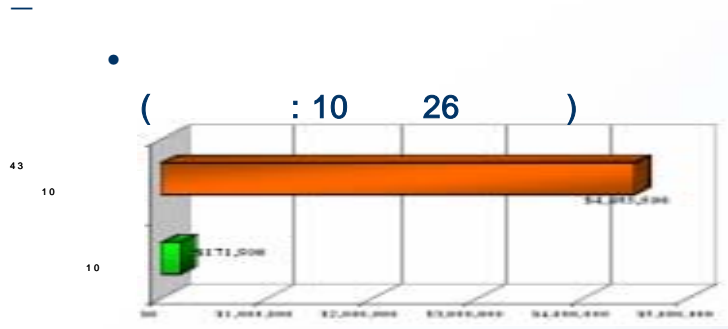
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- ✓ ITA/EA 가 가
- 가 1.0 ('04 4 , 2 )
- ITA/EA ('04 12 )
- ITA governance ('04 12 )
- ITA ('04 12 )
- ITA/EA 가 ('05 12 )
- ITA/EA ('05 12 ) - ITA ('04 12 )
  
- ✓ ITA/EA ('04 11 , ITA/EA )
- ✓ ITA/EA ('04 12 , ITA/EA )
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ITA/EA : [www.itapmo.or.kr](http://www.itapmo.or.kr) ('04 12 )

## IFEAD, 2003

	(19%)	
	Roadmap	(16%)
	IT	(15%)
	(13%)	
IT		(13%)
IT	(11%)	
	(8%)	
	(5%)	

\* IFEAD : Institute for Enterprise Architecture Developments

