Short form evaluation questionnaire for integration reference architectures

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This short questionnaire was developed to provide a quick overview of the questions tackled below in the detailed questionnaire.

1. Coverage

- a technical aspects
- b business
- c human relations
- d human skills

2. Modelling support

- a functions
- b information
- c resources
- d organization
- e social aspects
- f economics
- g legalities
- h finance & administration

3. Support description methods or languages for each of the items of question 2?

4. Support derivation methods to derive functional operations and functional entities from the descriptions of question 2?

5. Provide an engineering environment?
 6. Provide an operation environment?
 7. Provide simulation tools?
 8. Comply with international standards?
 9. Does the architecture have the sympathy of vendors?
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15.1 ANSWERS TO SHORT FORM QUESTIONNAIRE FOR CIMOSA

Table 15.1 Answers to short form questionnaire for CIMOSA

1. Coverage		
a	technical aspects	yes
b	business	yes
c	human relations	no
d	human skills	no
2. Modelling support		
a	functions	yes
b	information	yes
c	resources	yes
d	organization	yes
e	social aspects	via functions
f	economics	via functions
g	legalities	via functions
h	finance and administration	via functions
3.	Descriptive methods support	(first four only a–d)
4.	Derivation methods support	(see question 2)
5.	Engineering environment	yes
6.	Operations environment	yes
7.	Simulation tools	use established ones
8.	Complies with international standards	this is intended; no international standard on CIM is available at present.
9.	Has been proven	yes
10.	Has substantial vendor support	yes, substantial

15.2 ANSWERS TO SHORT FORM QUESTIONNAIRE FOR GRAI-GIM

Table 15.2 Answers to short form questionnaire for GRAI-GIM

1. Coverage		
a	technical aspects	yes
b	business	yes
c	human relations	yes, partially
d	human skills	yes, partially
2. Modelling support		
a	functions	yes
b	information	yes
c	resources	yes
d	organization	yes
e	social aspects	no
f	economics	no
g	legalities	no
h	finance and administration	no
3.	Descriptive methods support	(first four only a–d)
4.	Derivation methods support	(see question 2)
5.	Engineering environment	yes, CAGIM tools
6.	Operations environment	not in the sense of CIMOSA
7.	Simulation tools	use established ones
8.	Complies with international standards	this is intended; no international standard on CIM is available at present.
9.	Has been proven	yes, through industrial applications
10.	Has substantial vendor support	yes, several companies support

15.3 ANSWERS TO SHORT FORM QUESTIONNAIRE FOR PURDUE

Table 15.3 Answers to short form questionnaire for Purdue

1. Coverage		
a	technical aspects	yes
b	business	yes
c	human relations	yes
d	human skills	yes
2. Modelling support		
a	functions	yes
b	information	yes
c	resources	yes
d	organization	yes
e	social aspects	yes
f	economics	via project evolution methods
g	legalities	no
h	finance and administration	via functions
3. Descriptive methods support		(all listed in item 2)
4. Derivation methods support		(all listed in item 2)
5. Engineering environment		yes
6. Operations environment		no
7. Simulation tools		use established ones
8. Complies with international standards		as desired by implementor when these standards become available
9. Has been proven		yes
10.Has substantial vendor support		yes