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1.1.2. -	9
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1.2.1.	10
1.2.2.	12
1.3. -	13
1.3.1.	13
1.3.2.	14
1.4. -	15
1.4.1. BPMN	15
1.4.2. YAWL	17
1.5.	18
1.5.1.	18
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1.5.3. Workflow-	20
1.6. -	20
1.6.1.	20
1.6.2.	21
1.7.	22
1.7.1.	22
1.7.2.	22
2.	24

2.1.	.	24
2.2.	.	25
2.3.	.	26
2.4.	-	27
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	OMG BPMN v.2.0	37

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[8, . 30],

[9, .6]

PMBOK [10, . 8],

PMBOK 5 [11],

1.2.2.

[12, . 34]

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[13], [12].

1.3. -

[8, .14] , --

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 , [4, . 27].

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[8, . 15], - —

BPMN (), *EPC* (c

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, [8, . 15]

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. SADT (Structured Analysis and Design Technique) IDEF(Integration Definition for Functional Modeling.)

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[8, . 17] c -

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UML (Unified Modeling Language).

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[8, . 18]

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BPMN (Business Process Model and Notation), ARIS (Architecture of Integrated Information Systems), EPC ().

1.3.2.

[14] -

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, [14, . 15] $C = (P, T, I, O)$,

4- :

1. P ;

- 2. T ;
- 3. I ;
- 4. O ;

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. [14, . 18]

$$G = V, A,$$

-

$$v_i \in V$$

$$a_i \in A.$$

V

P (

) T().

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1.4.1. BPMN

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OMG BPMN. BPMN

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:[15, . 30]

1. (flow objects);

2. (Data);
3. (connecting objects);
4. (swimlane);
5. (artifacts).

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 .). BPMN , /
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1.4.2. YAWL

YAWL (Yet Another Workflow Language)
 (Aalst) (Hofstede) 2003 -
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 [16], ,
 YAWL
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 [16, c. 3] :
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 [18, . 31 -- 35], workflow-
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1.5.2.

Workflow

Workflow,
 [19, . 127],
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 Workflow, [19],
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1.5.3. Workflow-

workflow --
Cunningham LLP
Zagiel S.A., , [20], [21]. Cunningham
LLP , -
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1.6. -

1.6.1.

BPM- [22] -
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1.6.2.

1.7.

1.7.1.

PMBOK Guide [10, . 33]

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1.7.2.

[24, . 46] [12, c. 91 -- 93]),

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(agility)

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[\[34\]](#), [\[35\]](#),

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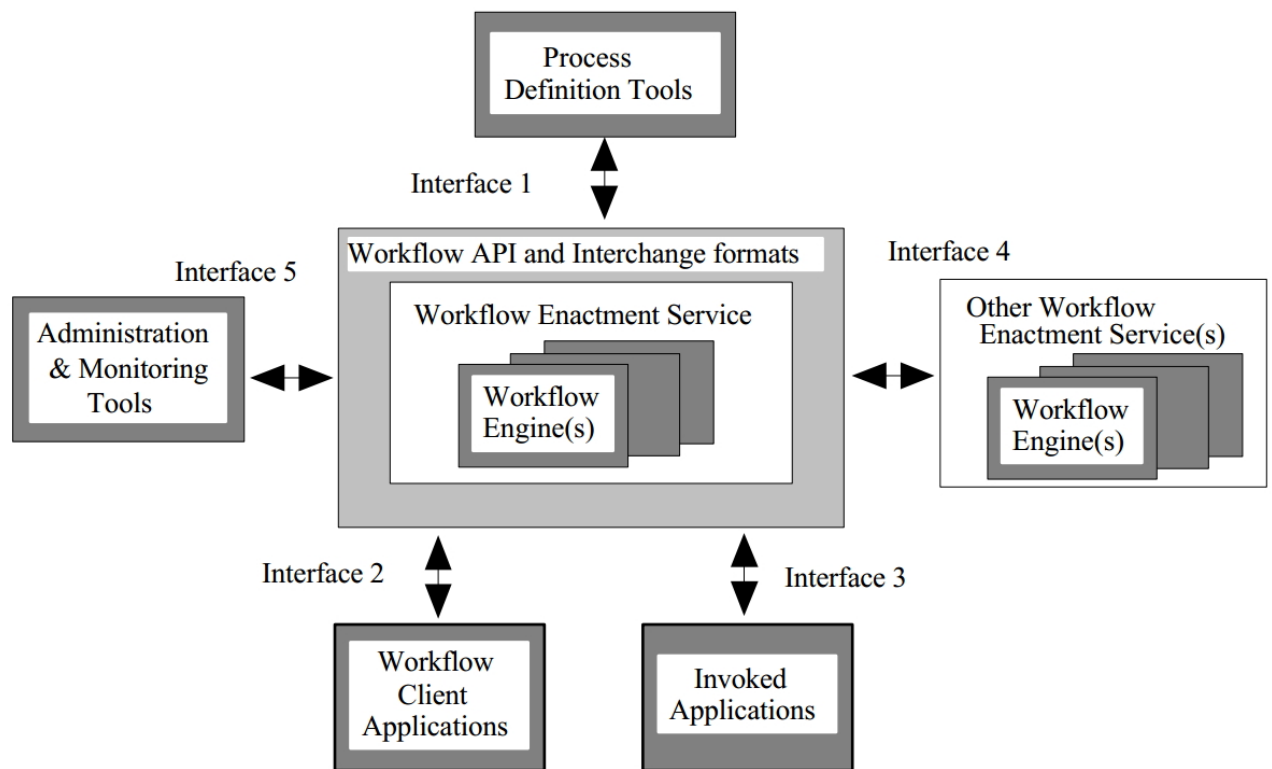
2.5.

APQC [40].

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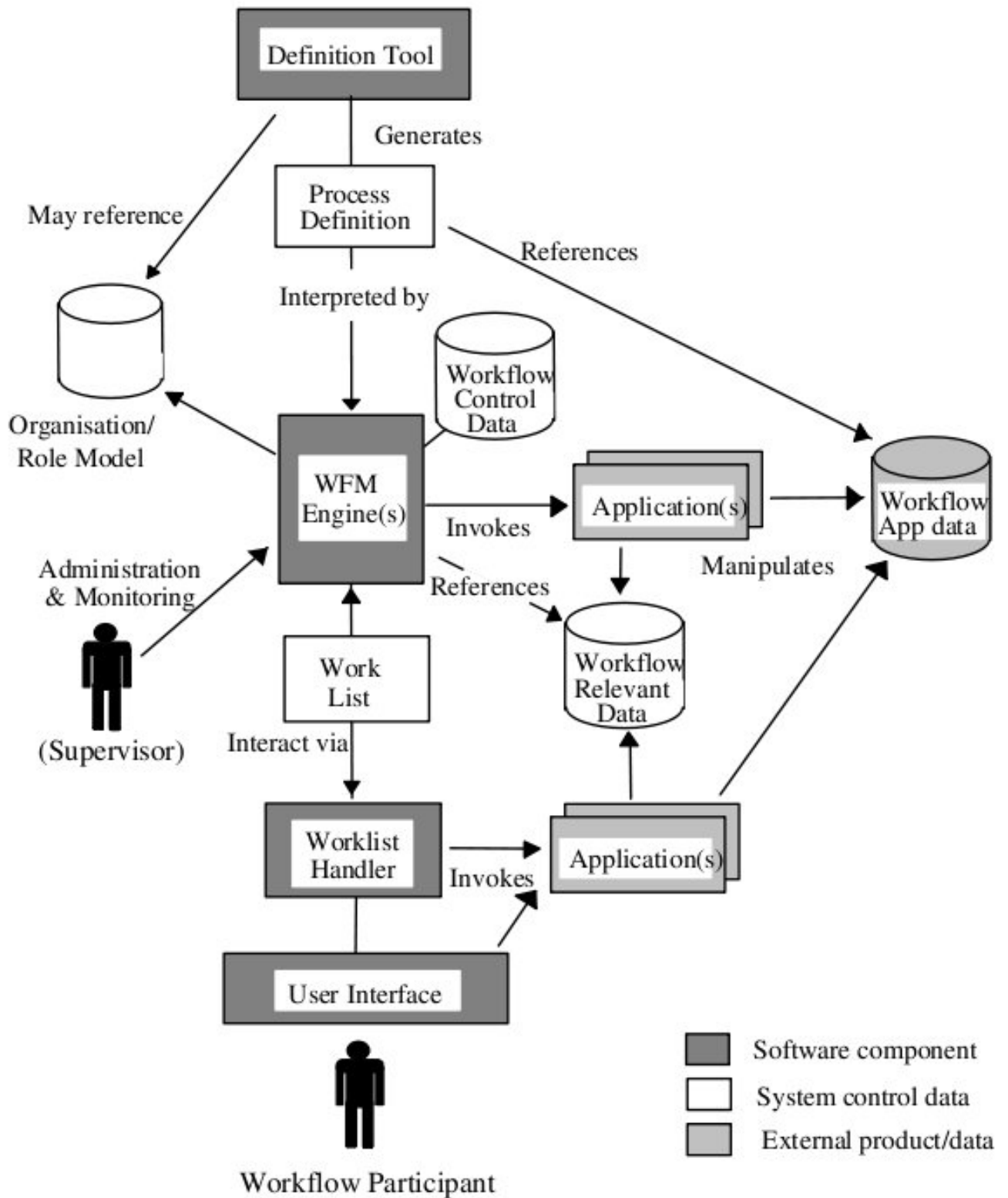
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(Workflow Reference Model) [17, . 23]





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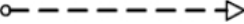
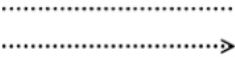
(Generic Workflow Product Structure) [17, . 39]

OMG BPMN v. 2.0

.1. OMG BPMN version 2.0 [15]

(Event)	<p>--- , -</p> <p>- -</p> <p>. -</p> <p>() (</p> <p>).</p> <p>,</p> <p>.</p> <p>- ,</p> <p>: (Start),</p> <p>(Intermediate)</p> <p>(End).</p>	
(Activity)	<p>--- , -</p> <p>, -</p> <p>- .</p> <p>,</p> <p>().</p> <p>,</p> <p>:</p> <p>(SubProcess) (Task).</p> <p>,</p> <p>.</p> <p>,</p> <p>,</p> <p>.</p>	



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(Gateway)	<p>- , . , - .</p>	
(Sequence Flow)	<p>- , - .</p>	
(Message Flow)	<p>- , BPMN (-).</p>	
(Association)	<p>(,) , , (,).</p>	

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(Pool)	<div> <div>.</div> <div>,</div> <div><<</div> <div>>> (B2B).</div> </div>	<div> <div>Name</div> <div></div> </div>
(Lane)	<div> <div>,</div> <div>(</div> <div>)</div> </div>	<div> <div>Name Name</div> <div>Name Name</div> </div>
(Data object)	<div> <div>,</div> <div>/</div> </div>	

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(Message)	<p>business PartnerRole business PartnerEntry).</p>	
(Group)		
(Text Annotation)	BPMN	