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2.1.2. -

(. [4, . 17 --
18], [5], [1, с. 148]) :

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[1, . 30 -- 31], [8, . 30]

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.   [9, . 6]   ,

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,   PMBOK [10, . 8],   -

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,   PMBOK 5 [11],   -

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, [4, . 27].

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[8, . 15], - —

BPMN (   ), EPC (с
).

,   [8,   . 15]

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.   SADT (Structured Analysis and Design

Technique)   IDEF(Integration Definition for Functional Modeling.)

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          [8,   . 17]   с   -

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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 (   ).

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[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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2.4.   -

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2.4.1. BPMN

BPMN   -   ,   -

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      BPMN

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                              OMG BPMN.   BPMN

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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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2.4.2. YAWL

YAWL (Yet Another Workflow Language)

(Aalst) (Hofstede) 2003 -

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[16], ,

YAWL

. , ,

[16, c. 3] :

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YAWL, [16, . 10] -

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(. 2.3.2 . 11).

2.5.

2.5.1.

WfMC (Workflow), -
WfMC [17, . 9], , ,
,
(workflow engine).

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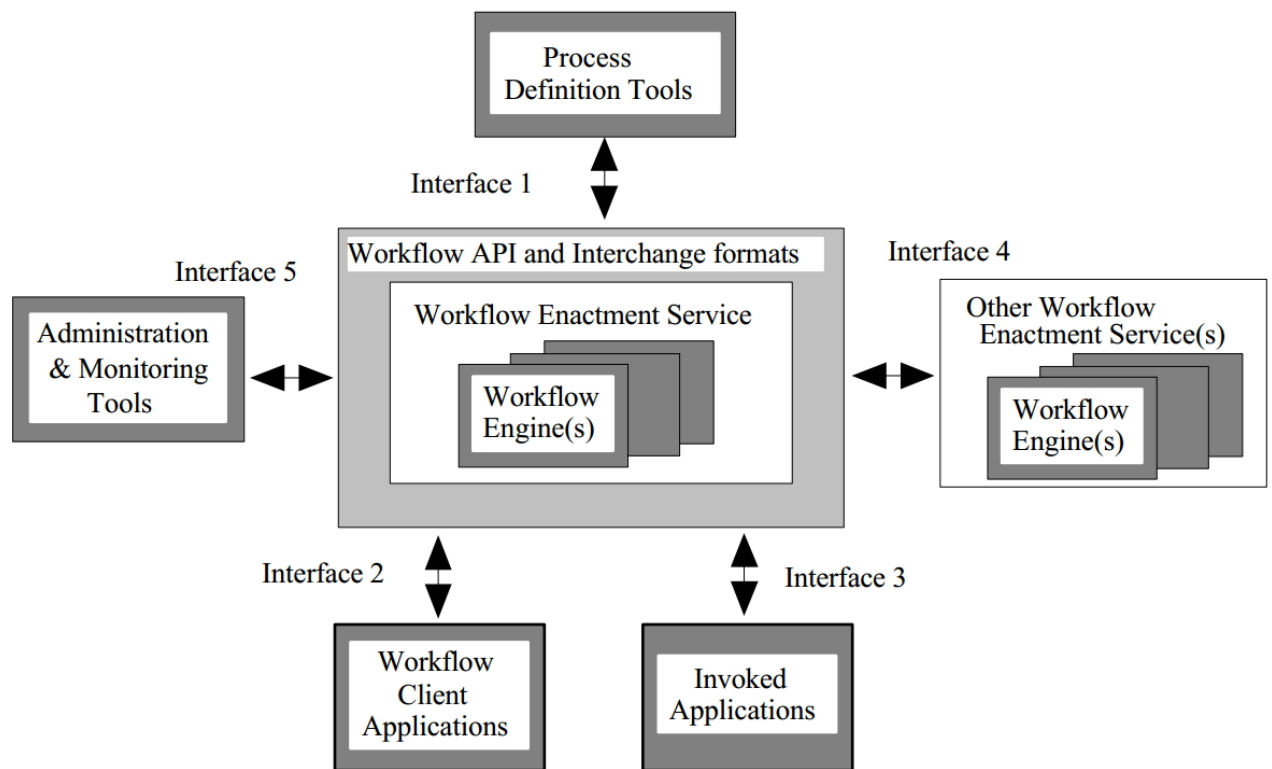
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[18, . 31 -- 35],   workflow-   -

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2.5.2.   **Workflow**

Workflow,

[19, . 127],   ,

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Workflow,   [19],   -

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2.5.3.   Workflow-

workflow   --

Cunningham LLP

Zagiel S.A., ,   [20], [21].   Canningham

LLP   ,   -

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2.6.   -

2.6.1.

BPM-   [22]   -

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                    . BPMS

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2.6.2.

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     >> (Handbook on Business Information Systems) [23]

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PMBOK Guide [10,   . 33]

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

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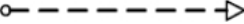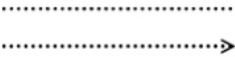   :   , 2006.   . 528.

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                                                         . 2003. Vol. 4. P. 89--93.

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                , 2009.   . 120.

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               - , 2002.   . 504.

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Process
Definition Tools

Interface 1

Interface 5

Workflow API and Interchange formats

Interface 4

Administration
& Monitoring
Tools

Workflow Enactment Service

Other Workflow
Enactment Service(s)

Workflow
Engine(s)

Workflow
Engine(s)

Interface 2

Interface 3

Workflow
Client
Applications

Invoked
Applications

.   .1. "

(Workflow Reference Model) [17,   . 23]

. .2.

(Generic Workflow Product Structure) [17, . 39]
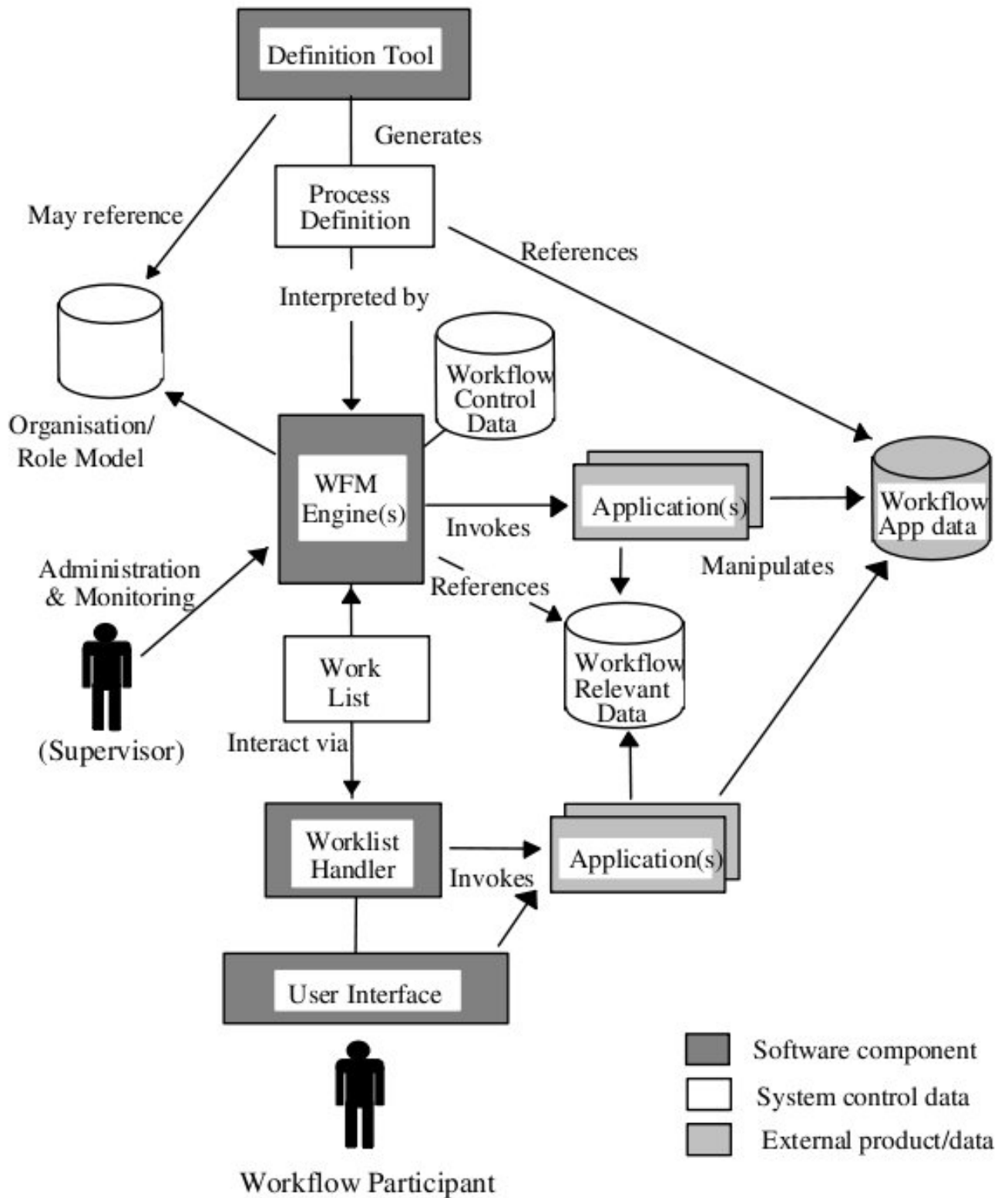
OMG BPMN v. 2.0

.1. OMG BPMN version 2.0 [15]

(Event)	--- , - - - . - - ( ) (-). - , - - - . - , - : (Start), - (Intermediate) (End).	◯
(Activity)	--- , - , - - . , ( ). - , - : (SubProcess) (Task). , - . , , - .	▢

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(Gateway)	- , . - , , . - .	
- (Sequence Flow)	- , - .	
- (Message Flow)	- , . - BPMN - (- -).	
(Association)	(,) . , ,	- - - , . (,).

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

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(Message)	- - - (- business PartnerRole business PartnerEntry).	
(, -) (Group)	, . - - . - - , , . . - , .	
- (- -) (Text Annotation)	- - , - - - , BPMN .	 Descriptive Text Here