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LTSA - / DB SW

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(Computer Aided

Instruction: CAI)

[6].

[1].

- Dig ()Open School

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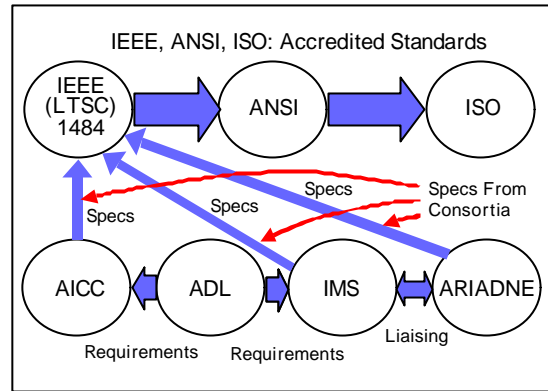
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[7].

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IEEE P.1484 LTS C(Learning Technology Standards Committee)

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[8].

IMS(Instructional Management System) (EU) ARIADNE가

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[9, 10].

IE

EE

, IEEE

ADL(Advanced Distributed Learning Initiative)



AICC(Aviation Industry CBT Committee)

. LTSA

[11, 12].

IEEE P.1484 LTSC

ANSI ISO

IEEE

LTSA(Learning Technology System Architecture)

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IEEE P.1484

[13].

LTSA

- P1484.1 Architecture and Reference Model Working Group
- P1484.2 Learner Model Working Group
- P1484.3 Glossary Working Group
- P1484.4 Task Model Working Group
- P1484.6 Course Sequencing Working Group
- P1484.7 Tool/Agent Communication Working Group
- P1484.10 CBT Interchange Language Working Group
- P1484.11 Computer Managed Instruction Working Group
- P1484.12 Learning Objects Metadata Working Group
- P1484.13 Student Identifier Working Group
- P1484.14 Semantics and Exchange Bindings Working Group
- P1484.15 Data Interchange Protocols Working Group
- P1484.16 HTTP Bindings Working Group
- P1484.17 Content Packaging Working Group
- P1484.18 Platform and Media Profiles Working Group
- P1484.19 Quality System for Technology-Based Life-Long Learning Study Group
- P1484.20 Competency Definitions - Study Group

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LTSA

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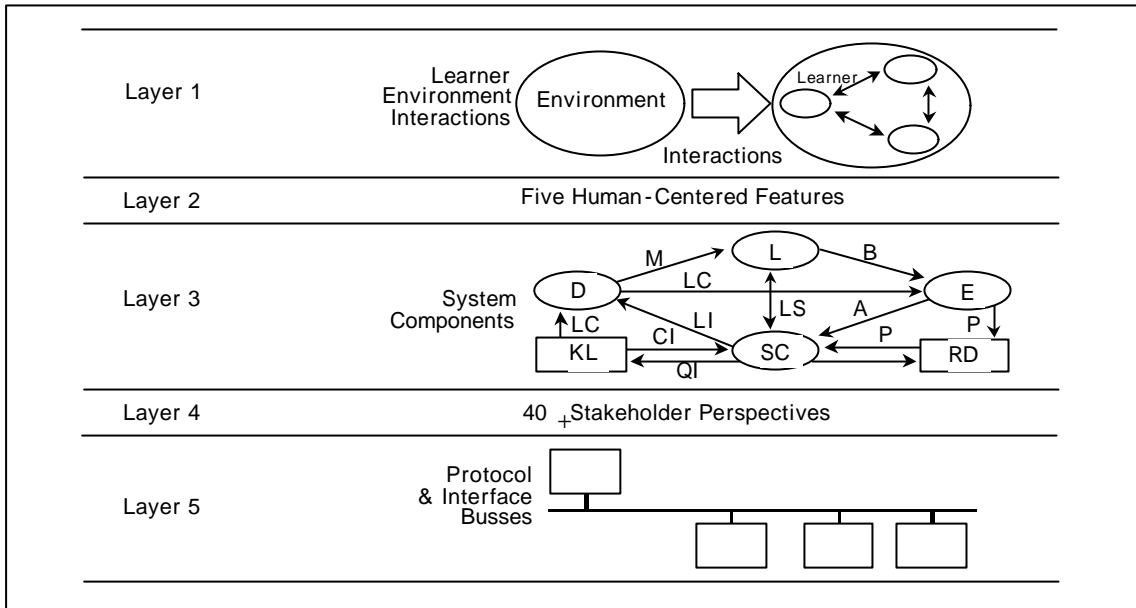
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(2)

(record

database)

(knowledge library)가

1, 2

(3)

(3)

(learner)

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luation)

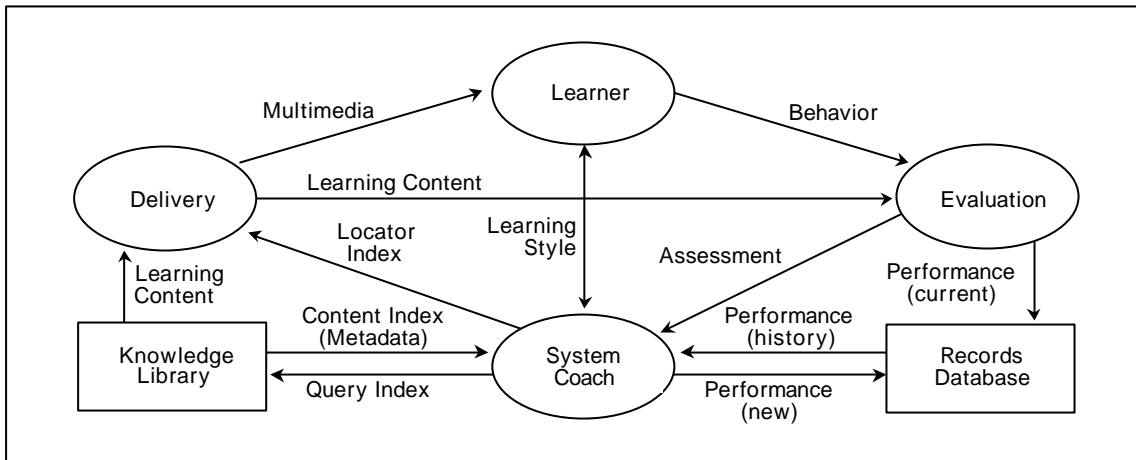
가(eva-
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, 가

(system coach)

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(delivery)



(3)

가

가

가 (assessment information)

(performance information)

가

17 (granularity)

, 85 (location index)

(content index)

(grade)

가 (certification)

가 (query index)

(card catalogue)

가



LTSA
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LTSA
가 가

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LTSC

URL

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LTSC
(learner model)
LTSA (4)
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PAPI (Public And Pri-
vate Information) 5.0

[14]. PAPI
4가

- (personal information):

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- (preference information):

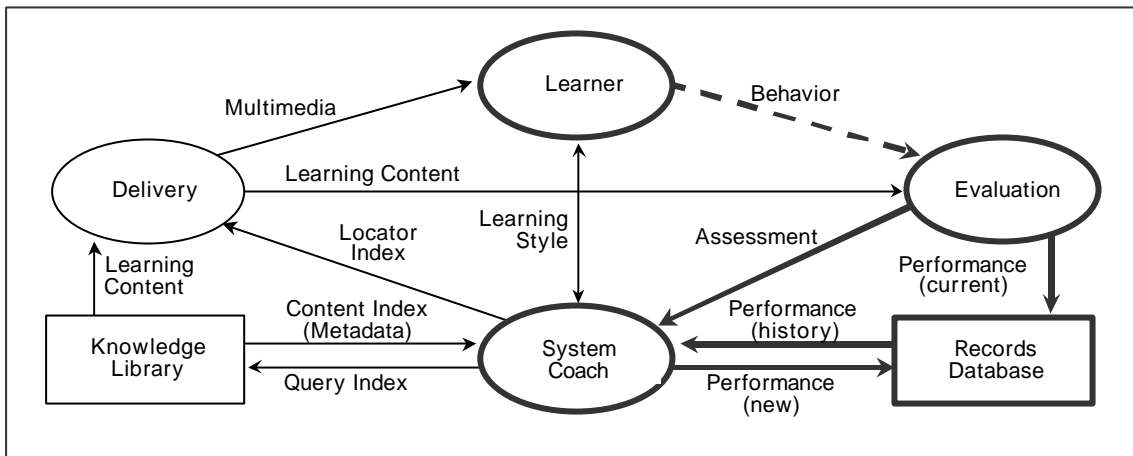
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- (performance information):



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(5)

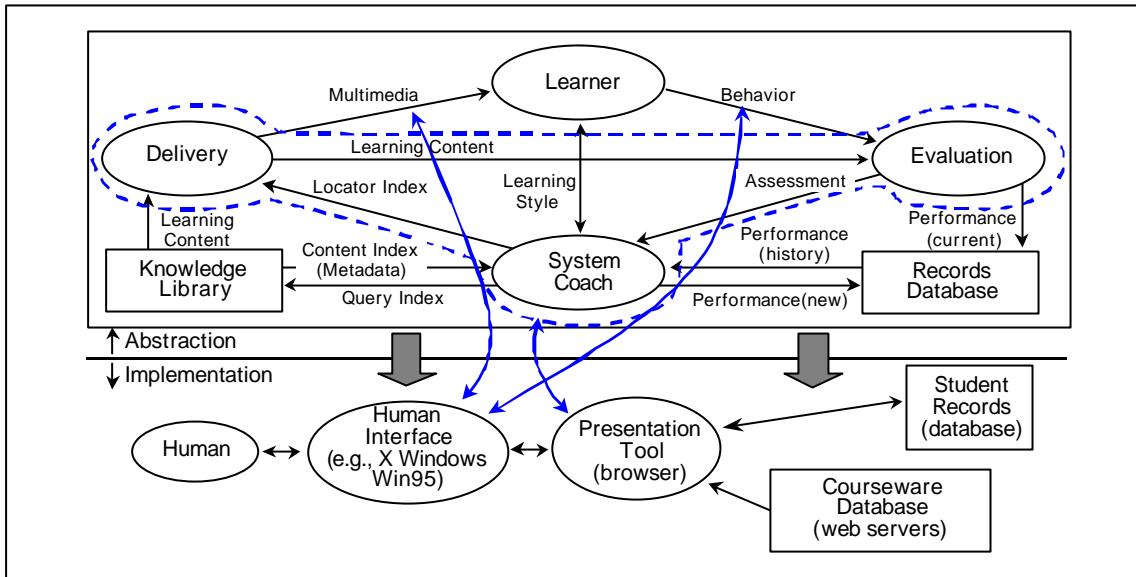
- LTSA (learner) (human)
- LTSA (behaviour), (multimedia)
- LTSA 가(evaluation), 가 (assessment), (system coach), (delivery)
- (knowledge library)
- (records database)

language binding)

LTSA 5

LTSA

. LTSA



(5)

[1] , <http://edunet.kmec.net/>

[2] Dig, <http://www.dig.co.kr/>

[3] , <http://www.topianet.co.kr/>

[4] , <http://210.99.240.129/>

[5] , <http://210.99.68.1/>

[6] , <http://science.kongju.ac.kr/>

[7] “ ” 21 , 1998

[8] IEEE P.1484 LTSC(Learning Technology Standards Committee), <http://grouper.ieee.org/groups/ltsc/>

[9] IMS(Instructional Management System), <http://www.imsproject.org/>

[10] ARIADNE, <http://ariadne.unil.ch/>

[11] ADL(Advanced Distributed Learning), <http://www.adlnet.org/>

[12] AICC(Aviation Industry CBT Committee), <http://www.aicc.org/>

[13] IEEE P1484 LTSA draft 4.00, <http://grouper.ieee.org/groups/ltsc/wg-1.htm>, 1999. 5.

[14] PAPI(Public and Private Information) Specification draft 5.0, <http://grouper.ieee.org/groups/ltsc/wg-2.htm>, 1998. 11.