



Overview: A Moodle-based Learning Management System

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PCT International Cooperation Division

Daejeon
11 May 2018

Agenda

- Learning management system



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The Free Encyclopedia

Main page
Contents
Featured content
Current events
Random article
Donate to Wikipedia
Wikipedia store

Interaction


Help
About Wikipedia
Community portal
Recent changes
Contact page

Tools

What links here
Related changes
Upload file
Special pages
Permanent link
Page information
Wikidata item
Cite this page

Print/export

Create a book
Download as PDF
Printable version

Languages 

Español [Edit links](#)

Not logged in [Talk](#) [Contributions](#) [Create account](#) [Log in](#)

Article [Talk](#)

[Read](#) [Edit](#) [View history](#)



List of learning management systems

From Wikipedia, the free encyclopedia

See also: *Category:Learning management systems*

The following is a **list of learning management systems (LMS)**.

Contents [\[hide\]](#)

- 1 Open source
- 2 SAAS/CLOUD
- 3 Proprietary
- 4 Historical
- 5 References

Open source [\[edit\]](#)

- aTutor
- Canvas
- Chamilo
- Claroline
- eFront
- ILIAS
- LAMS
- Moodle 
- OLAT
- OpenOLAT
- Sakai
- SWAD
- Totara LMS
- WeBWork

SAAS/CLOUD [\[edit\]](#)

- Cornerstone OnDemand Inc.

[DOCUMENTATION](#)[DOWNLOADS](#)[DEMO](#)[TRACKER](#)[DEVELOPMENT](#)[TRANSLATION](#)[MOODLE.NET](#)

English - United States (en_us)

You are not logged in. ([Log in](#))

Community driven, globally supported.

Welcome to the Moodle community and discover the value of an open, collaborative effort by one of the largest open-source teams in the world.

[COMMUNITY FORUMS](#)



Supported by a global community



Robust open-source learning platform



Powering learning environments worldwide



Moodle stories from around the world

Home ▶ Latest release

Latest release

Install Moodle on your own server (requires a web server with PHP and a database) by downloading one of the following packages or [obtaining Moodle via Git](#).

Alternatively, try Moodle on your personal computer with an installer package which includes all other software required to make it run (Apache, MySQL and PHP).

- [Moodle installer package for Mac OS X](#)
- [Moodle installer package for Windows](#)

Version	Information	.tgz	.zip
Moodle 3.2.3 MOODLE_323	This is the latest official update of Moodle 3.2. <ul style="list-style-type: none"> • Release notes • Fixed issues • Upgrading notes • Requires: PHP 5.6.5, MariaDB 5.5.31 or MySQL 5.5.31 or Postgres 9.1 or MSSQL 2008 or Oracle 10.2 • Language packs 	<div style="text-align: center;"> Download tgz </div> 37.7MB 606 today [md5] [sha256]	<div style="text-align: center;"> Download zip </div> 49.7MB 1551 today [md5] [sha256]

RELEASES


[Latest release](#)
[Other supported releases](#)
[Security-only-supported releases](#)
[Legacy releases](#)
[Development release](#)

Sites (localisations)

- ASPAC Bureau site
- Sites of national IPOs derived from and compatible with ASPAC site

Preferred option

- Each site is stand-alone; no client(IPO)/server(WIPO) architecture
- National sites may be implemented as client/server system if the Office wishes
 - For example, each examiner work station as a client; or each training room work station as a client
- Data exchange between WIPO and IPOs by means of files; export/import or backup/restore
- Alternative: Peer-to-peer network (Mnet)
- Alternative: (Client-Server)
- Alternative: Trainees connect as clients to WIPO

Sites (localisations)

WIPO
SITE

MyIPO
SITE

IPOPHL
SITE

DGIP
SITE

What is ASPAC LMS used for?

- Developing and editing generic CF
 - Hierarchical structure
 - Cross referencing
 - Competence (proficiency) scales
- Defining individual competency models (**learning plans**)
 - by selecting from generic CF
 - by further editing
- Recording users and assigning them different roles (student, teacher, ..)
- 'Grouping' of users (**cohorts**)
- Recording specific training activities (**courses**) organized by various institutions
- Describing learning outcomes of specific training activity in terms of competencies

What is ASPAC LMS used for?

- Tracking participation of users in training activities
- Tracking learning progress (success of learning): Assessments
- Identifying training gaps
- Assigning suitable training activities to fill training gaps (in terms of competencies)
 - Finding suitable courses
 - Checking prerequisites for participation (required competencies)
- Reporting

Competencies

[Home](#) ▶ [Site administration](#) ▶ [Competencies](#) ▶ [Competency frameworks](#) ▶ [ICBLM patent examiner competency framework](#)

ICBLM patent examiner competency framework *

Generic Competency Framework focusing on technical competencies for substantive patent examiners.

Competencies

- ▼ ICBLM patent examiner competency framework
 - ▶ International Legal and Institutional Framework
 - ▶ National Legal and Institutional Framework
 - ▶ Patent Information
 - ▼ Patent Classification
 - ▶ Objectives and purposes of patent classification systems
 - ▼ IPC
 - ▶ Hierarchy of Classification Scheme
 - ▶ Elements of Classification Scheme
 - ▶ Classification Terms and Standard Expressions
 - ▶ Scope of Classification Place
 - ▼ Classification Rules
 - Determine which classification rules are applicable for given place**
 - ▶ Classification Practice
 - ▶ Revision
 - ▶ IPC-PUB
 - ▶ CPC
 - FI and F-Terms

Selected skill

Determine which classification rules are applicable for given place [Edit](#) ▼ PC.I.CR.R

Guide IPC (141-155)

Cross-referenced competencies:

No other competencies have been cross-referenced to this competency.

[+ Add competency](#)

Create new competency model template

WIPO ASPAC Individualized Competency-Based Learning Management System

[Home](#) ▶ [Site administration](#) ▶ [Competencies](#) ▶ [Learning plan templates](#)

Learning plan templates

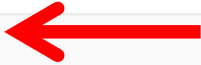


[Add new learning plan template](#)

List of learning plan templates

Name	Category	Cohorts	Learning plans	Actions
Medium IPO	System	0	2	Edit ▾
MyIPO	System	0	2	Edit ▾
OJTBTPH	System	0	0	Edit ▾
Small IPO	System	0	0	Edit ▾

- [Edit](#)
- [Duplicate](#)
- [+ Create learning plans](#)
- [+ Add cohorts to sync](#)
- [X Delete](#)



[Moodle Docs for this page](#)

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[Home](#)

Create new individual competency model 1

WIPO ASPAC Individualized Competency-Based Learning Management System

[Home](#) ▶ [Site administration](#) ▶ [Competencies](#) ▶ [Learning plan templates](#)

Learning plan templates



[Add new learning plan template](#)

Click to create individual learning plan from template

List of learning plan templates

Name	Category	Cohorts	Learning plans	Actions
Medium IPO	System	0	2	Edit ▾
MyIPO	System	0	2	
OJTBTPH	System	0	0	
Small IPO	System	0	0	

- ⚙ Edit
- 📄 Duplicate
- + Create learning plans
- + Add cohorts to sync
- ✕ Delete



[Moodle Docs for this page](#)

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[Home](#)

Create new individual competency model 2

WIPO ASPAC Individualized Competency-Based Learning Management System

Home > Site administration > Competencies > Learning plan templates > Medium IPO > Learning plans

Medium IPO

Learning plans

Select users to create learning plans for

No selection
Search

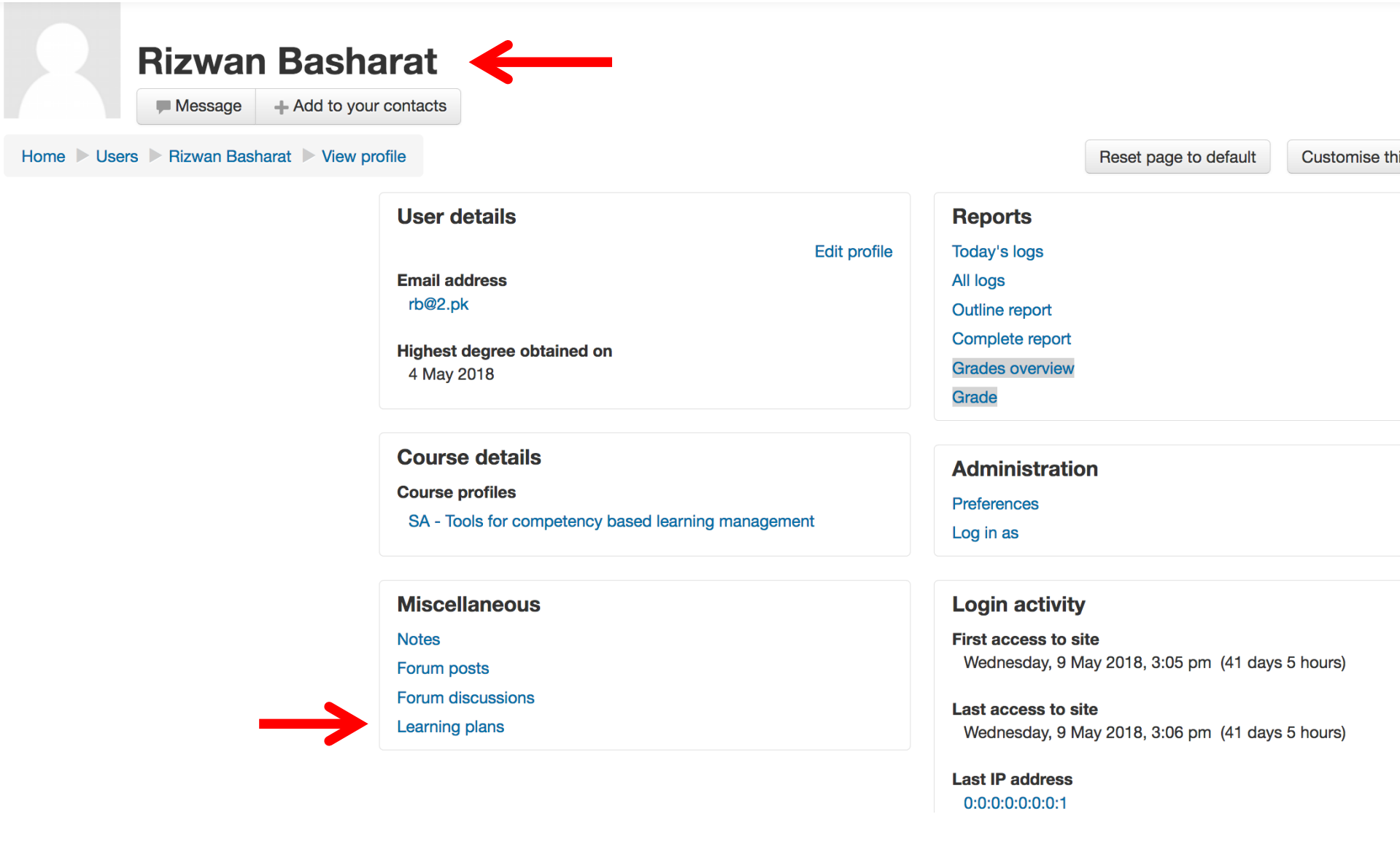
Select examiner

Name	First name
Medium IPO	Sirin
Medium IPO	Si

Email address
x@y.a
marjorie.deluna@ipophil.gov.ph

Links for this page
User - Admin - (Log out)
Home

Learning plans in profile of trainees



The image shows a user profile page for Rizwan Basharat. The profile name is highlighted with a red arrow. The 'Miscellaneous' section is also highlighted with a red arrow, and it contains a link to 'Learning plans'. The page layout includes a header with navigation links, a user profile section with contact buttons, and several content blocks for user details, course details, reports, administration, and login activity.

Rizwan Basharat ←

Message + Add to your contacts

Home ► Users ► Rizwan Basharat ► View profile

Reset page to default Customise this page

User details [Edit profile](#)

Email address
rb@2.pk

Highest degree obtained on
4 May 2018

Course details

Course profiles
SA - Tools for competency based learning management

Miscellaneous

[Notes](#)
[Forum posts](#)
[Forum discussions](#)
[Learning plans](#) ←

Reports

[Today's logs](#)
[All logs](#)
[Outline report](#)
[Complete report](#)
[Grades overview](#)
[Grade](#)

Administration

[Preferences](#)
[Log in as](#)

Login activity

First access to site
Wednesday, 9 May 2018, 3:05 pm (41 days 5 hours)

Last access to site
Wednesday, 9 May 2018, 3:06 pm (41 days 5 hours)

Last IP address
0:0:0:0:0:0:1

Trainee's learning plan & Finding suitable courses



Rizwan Basharat

Message

+ Add to your contacts

Home > Users > Rizwan Basharat > Learning plans > Medium IPO

Medium IPO

Status

Active ([Complete this learning plan](#))

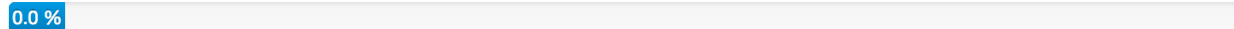
Learning plan template

[Medium IPO](#) ([Unlink from learning plan template](#))

Progress

0 out of 10 competencies are proficient

0.0 %




[Comments \(0\)](#)

Learning plan competencies

Name	Rating	Proficient	Status	Actions
International Legal and Institutional Framework IF Path: ICBLM patent examiner competency framework /	-	No	-	Edit ▾
Paris Convention IF:PC Path: ICBLM patent examiner competency framework / IF	-	No	-	Request review Find courses
PCT IF:PCT Path: ICBLM patent examiner competency framework / IF	-	No	-	Edit ▾



Finding suitable courses



Rizwan Basharat

[Message](#) [+ Add to your contacts](#)

[Home](#) ▶ [Users](#) ▶ [Rizwan Basharat](#) ▶ [Learning plans](#) ▶ [Medium IPO](#)

Medium IPO

Status
Active ([Complete this learning plan](#))

Learning plan template
[Medium IPO \(Unlink from learning plan template\)](#)

Progress
0 out of 10 competencies are proficient

[Comments \(0\)](#)

Learning plan competencies

Name	Rating	Proficient	Status	Actions
International Legal and Institutional Framework IF Path: ICBLM patent examiner competency framework /	-	No	-	Edit ▼
Paris Convention IF.PC Path: ICBLM patent examiner competency framework / IF	-	No	-	Edit ▼
PCT IF.PCT Path: ICBLM patent examiner competency framework / IF	-	No	-	Edit ▼

Suitable courses covering selected competency

Linked courses

Courses linked to this competency

- [International legal and institutional framework ILIF](#)

Edit learning plan (individual competency model)

Rizwan Basharat
Message Add to your contacts

Home > Users > Rizwan Basharat > Learning plans

Basharat's way to excellence

+ Add competency

Status
Active (Complete this learning plan) (Send back to draft)

Progress
0 out of 0 competencies are proficient

Comments (0)

Learning plan competencies

Name	Rating
No competencies have been linked to this learning plan.	

Competency picker

Competency frameworks
ICBLM patent examiner competency framework ICBLM

Locate competency
Search...

- ICBLM patent examiner competency framework
 - International Legal and Institutional Framework
 - National Legal and Institutional Framework
 - Patent Information
 - Patent Classification
 - Generic Substantive Examination
 - Technology Specific Substantive Examination
 - Business Methods
 - Computer Implemented Inventions
 - Diagnostic and Therapeutic Inventions**
 - Generic Search Methodologies
 - Technology Specific Search Methodologies
 - Databases and Tools for Prior Art Search
 - Work-Sharing
 - Formality Examination
 - Procedural Tasks of Patent Prosecution
 - Miscellaneous

Add Cancel

Edited learning plan



Rizwan Basharat

Message

+ Add to your contacts

[Home](#) ▶ [Users](#) ▶ [Rizwan Basharat](#) ▶ [Learning plans](#) ▶ [Basharat's way to excellence](#)

Basharat's way to excellence ^{*}

+ Add competency

Status

Active ([Complete this learning plan](#)) ([Send back to draft](#))

Progress

0 out of 1 competencies are proficient

0.0 %

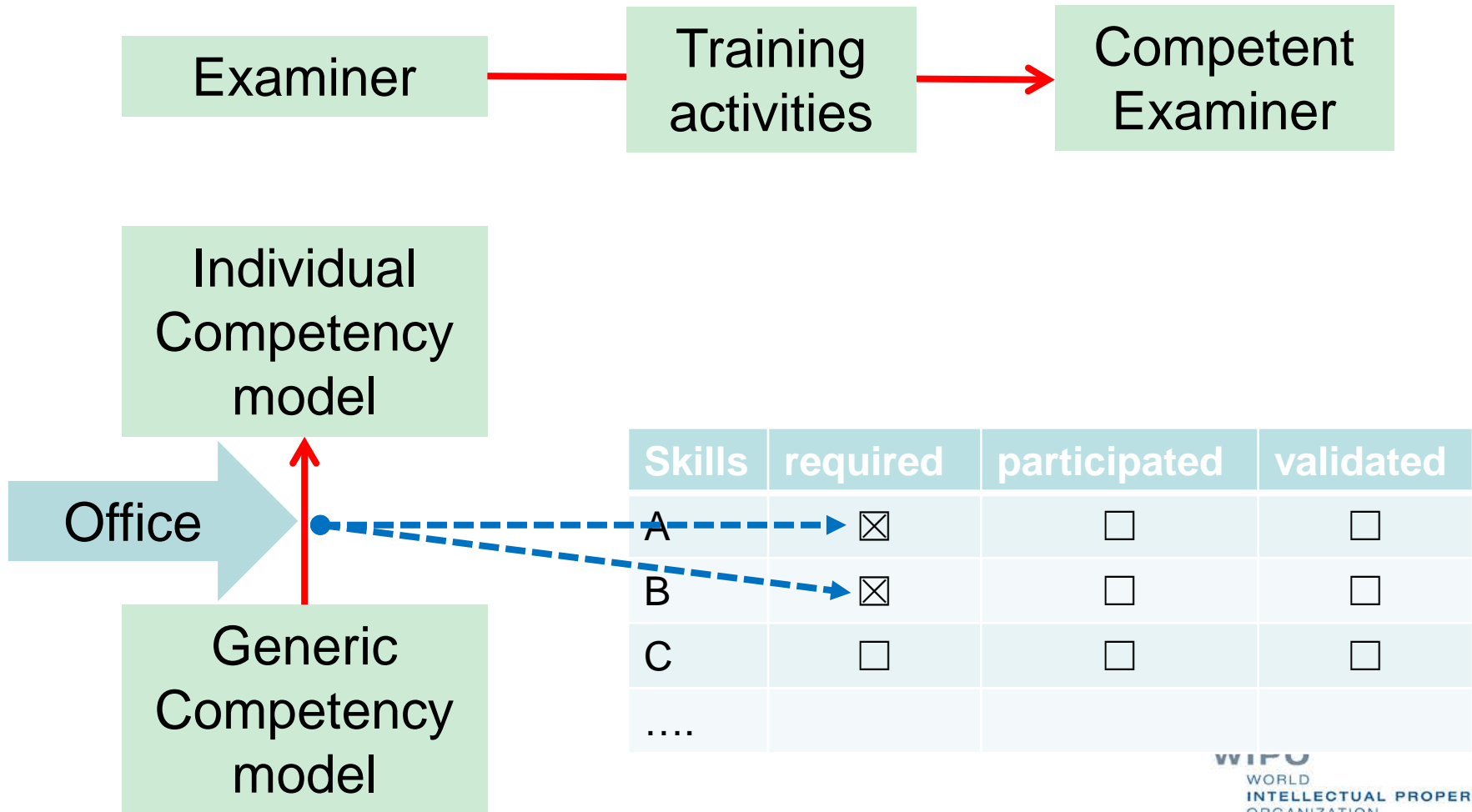
▶ [Comments \(0\)](#)

Learning plan competencies

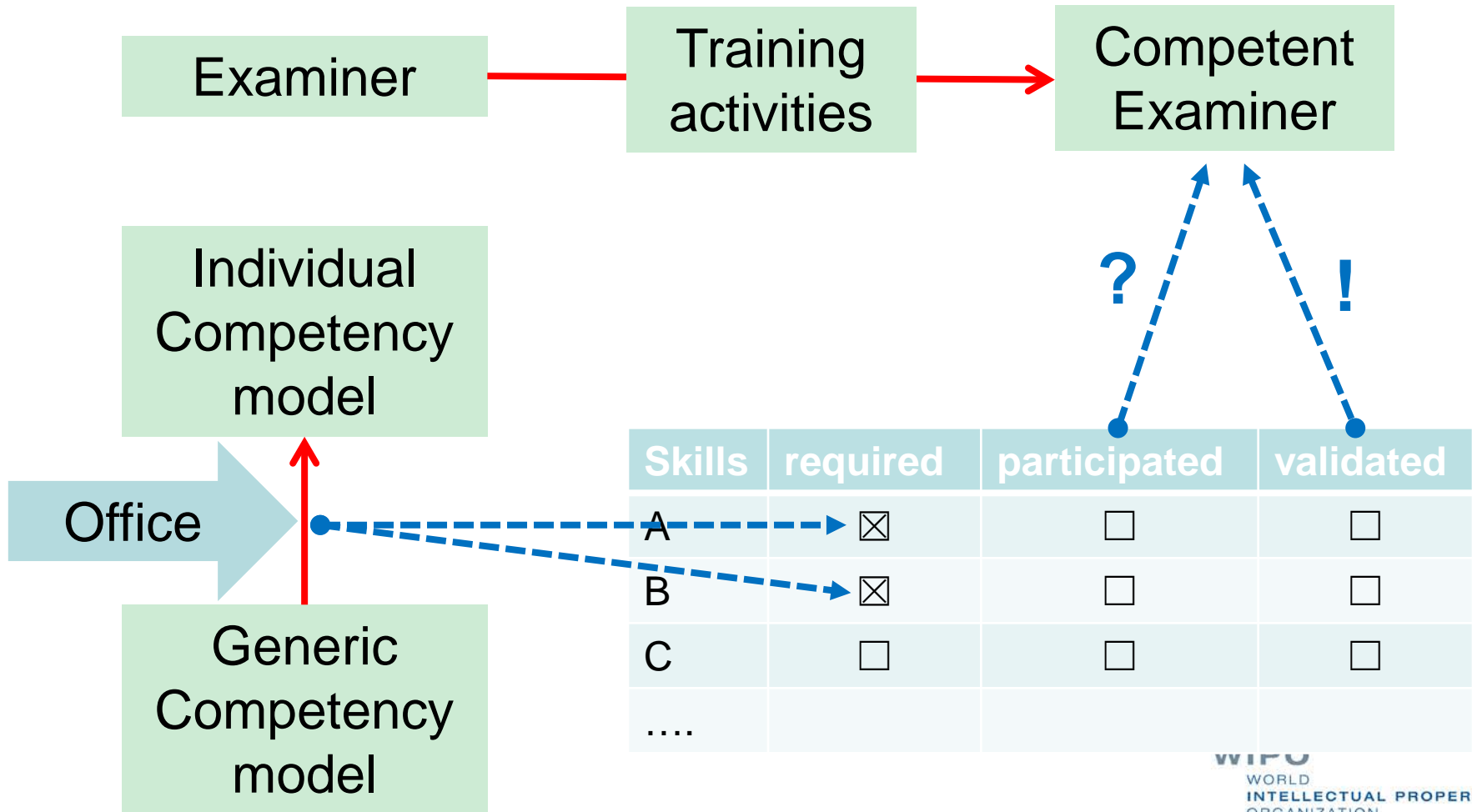
Name	Rating	Proficient	Status	Actions
Diagnostic and Therapeutic Inventions <i>TE.DT</i> Path: ICBLM patent examiner competency framework / TE	-	No	-	Edit ▼



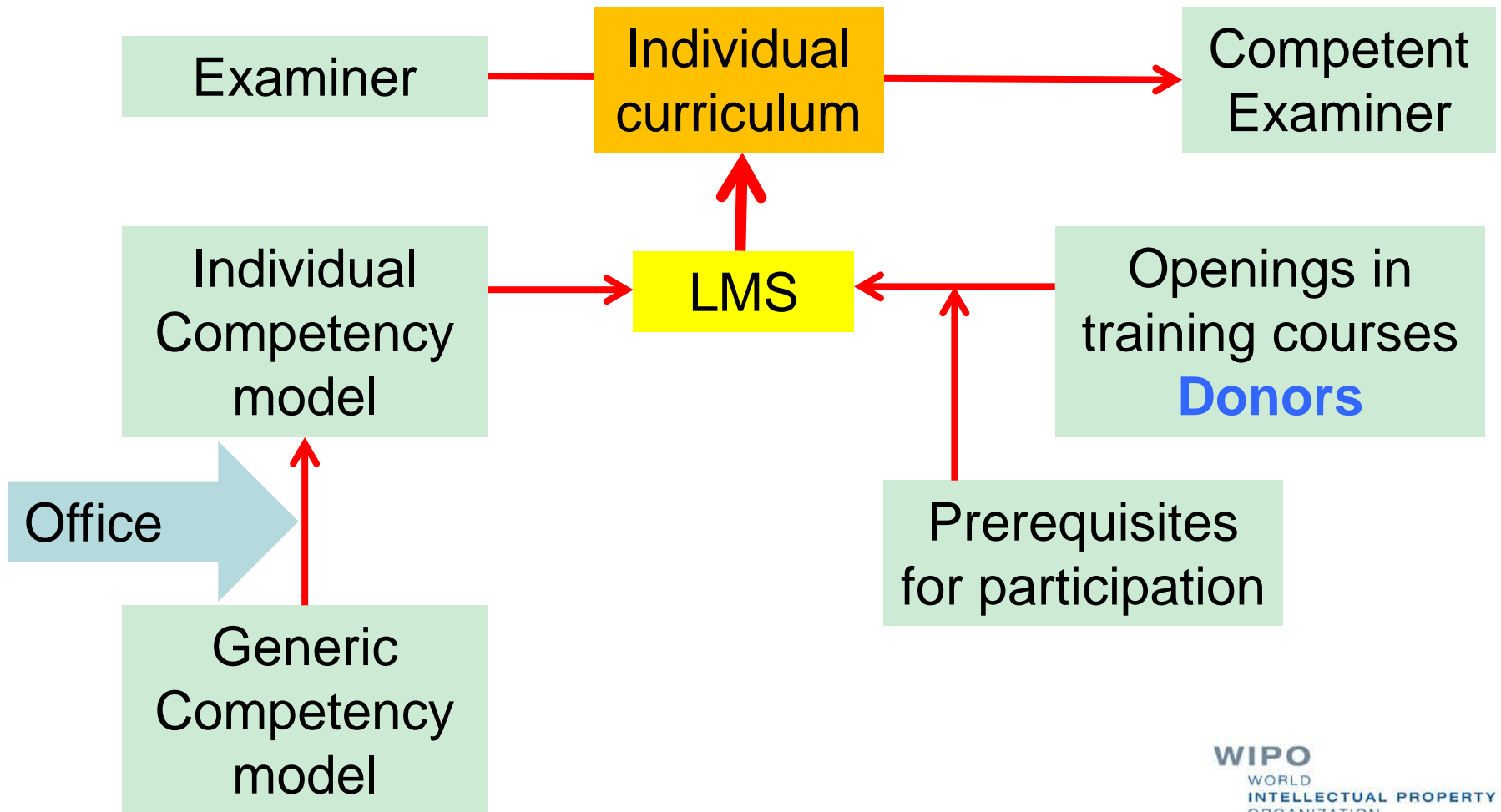
Defining individual competency model



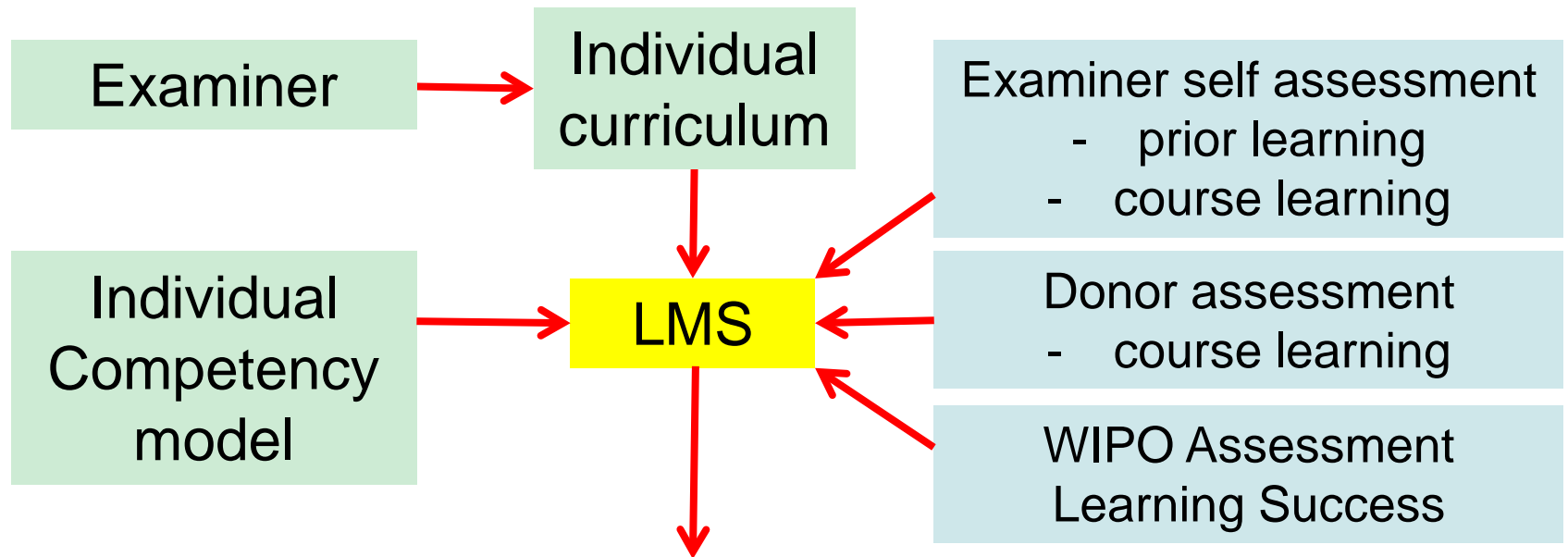
LMS: recording and tracking



LMS: Managing course assignment



LMS: Tracking Learning Progress



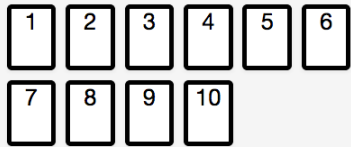
Skills	required	participated	validated
A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
B	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
....			

Self-assessments

OJT 2018 DIP BT at IPOPHL

[Home](#) ▶ [My courses](#) ▶ [OJTBTPH](#) ▶ [General](#) ▶ [Self assessment prior to training](#) ▶ [Preview](#)

QUIZ NAVIGATION



[Finish attempt ...](#)

Start a new preview

Question 1

Not yet answered

Marked out of 1.00

 [Flag question](#)

 [Edit question](#)

How would you rate your ability to assess clarity of claims


Select one:

- Very low
- Low
- Medium
- High
- Very High

Question 2

Not yet answered

Marked out of 1.00

 [Flag question](#)

 [Edit question](#)

How would you rate your ability to assess novelty and inventive step of claimed subject matter in view of given prior art

Select one:

- Very low
- Low
- Medium
- High
- Very High

Recording participation in training activities

Ramli

Participant

[Home](#) ▶ [Courses](#) ▶ [Participation in Training Activities](#) ▶ [PTA](#)

Participation in Training Activities (Workshops, Seminars, DL)

[View list](#) [View single](#) [Search](#) [Add entry](#) [Export](#) [Templates](#) [Fields](#) [Presets](#)

Entries per page Search Sort by Advanced search

Date of activity: 9 May 2018

Name of activity: Competency based learning management

Organizer: WIPO

Venue: IIPTI, Korea

Attach Program: [W program IIPTI_v4.2.doc](#)

Mode of Learning: Face-to-Face Seminar overseas

Select all

Deselect all

Delete selected

Details of training activity

Users per site

- Site administrator (admin)
- Individual *users*
 - having one or several various *roles*
- Users are added
 - by admin, or
 - Added by other user having the 'role' coordinator with permission to add users
- Information on users is recorded in *user profile fields*

Assigning competencies to training activities

acicblms

- Admin -

Course: Worksharing

[Home](#) ▶ [My courses](#) ▶ [WS](#) ▶ [Competencies](#)

Course competencies

Add competencies to course

Competency ratings in this course are updated immediately

No competencies have been linked to this course.

Manage competencies and frameworks

Competency picker

Competency frameworks
ICBLM patent examiner competency framework ICBLM

Locate competency

Search...

- ▶ Generic Substantive Examination
- ▶ Technology Specific Substantive Examination
- ▶ Generic Search Methodologies
- ▶ Technology Specific Search Methodologies
- ▶ Databases and Tools for Prior Art Search
- ▼ Work-Sharing
 - ▶ Family Relations
 - ▶ Examination Status of Family Members
 - ▶ Examination Work Products
 - ▶ Citations
 - ▶ Claims and Amendments
 - ▶ Platforms/Databases/Tools for Work-Sharing
 - ▶ Work Sharing Initiatives
 - ▶ Monitoring Examination Progress of Family Members
 - ▶ Differences between National Examination Practices
 - ▶ Specific Aspects of Backlog Processing
 - ▶ Examination in the PCT National Phase
 - ▶ WIPO's ICE Service
- ▶ Formality Examination
- ▶ Procedural Tasks of Patent Prosecution

Add Cancel

ADMINISTRATION

- ▼ Course administration
 - ⚙ Edit settings
 - ✎ Turn editing on
 - ⚙ Course completion
 - ▶ Users
 - 👤 Unenrol me from WS
 - ▼ Filters
 - ▶ Reports
 - ⚙ Gradebook setup
 - ▶ Badges
 - 📁 Backup
 - 📄 Restore
 - 📄 Import
 - 🌐 Publish
 - 🔄 Reset
 - ▶ Question bank
- ▶ Site administration

Search

Assessment test for competency 'family relations'

Worksharing

[Home](#) ▶ [My courses](#) ▶ [WS](#) ▶ [Preview](#)

QUIZ NAVIGATION

1	2	3	4	5	6
7					

[Finish attempt ...](#)


[Start a new preview](#)

Question 4

Not yet answered

Marked out of 1.00

 [Flag question](#)

 [Edit question](#)

Check if the simple and the extended families of the following application are equivalent: PCT/EP2007/053015

Select one:

- True
- False

[Previous page](#)

[Next page](#)

ADMINISTRATION

▼ Quiz administration

- [Edit settings](#)
- [Group overrides](#)
- [User overrides](#)

 [Edit quiz](#)

 [Preview](#)

▶ Results

- [Locally assigned roles](#)
- [Permissions](#)
- [Check permissions](#)

▪ [Filters](#)

▪ [Logs](#)

▪ [Backup](#)

▪ [Restore](#)

▶ [Question bank](#)

▶ [Course administration](#)

▶ [Site administration](#)

WIPO

WORLD
INTELLECTUAL PROPERTY
ORGANIZATION

List of users (any roles, e.g. trainees, managers,..)

WIPO ASPAC Individualized Competency-Based Learning Management System

[Home](#) ▶ [Site administration](#) ▶ [Users](#) ▶ [Accounts](#) ▶ [Browse list of users](#)

Blocks editing on

49 Users

Page: 1 2 (Next)

▶ New filter

First name / Surname	Email address	City/town	Country	Last access	Edit
- Admin -	admin@localhost.com	Somewhere	Australia	26 secs	⚙
Andrew Ong	andrew.ong@wipo.int	Geneva	Switzerland	1 year 115 days	✕ 👁 ⚙
Boonrat Pholjaroen	t_o_t_o_toto@hotmail.com			Never	✕ 👁 ⚙
Chumpol Siriwattanasit	toprijskaard@hotmail.com			Never	✕ 👁 ⚙
Chunyanut Wongkhum	chunyanut17@gmail.com			Never	✕ 👁 ⚙
Chutimon Worachetbancha	chumiunow31@gmail.com			Never	✕ 👁 ⚙
David Simmons	test@test.com			Never	✕ 👁 ⚙
Dechen Wangmo	d@w.bt		Bhutan	Never	✕ 👁 ⚙
Dwi Waskita Trisna Utama	dwt@y.z			Never	✕ 👁 ⚙
Edgar Allan Yorro	x@ipophl.gov.ph			41 days 8 hours	✕ 👁 ⚙
Hesam Adram	1@4.ir			Never	✕ 👁 ⚙
Jumras Yippikul	x@y.z			Never	✕ 👁 ⚙

MOODLE Standard (Archetype) Roles

- **Administrator**
 - Manager
 - Course creator
 - **Teacher**
 - Non-editing teacher
 - **Student**
 - Guest
-
- Each role is given certain permissions to deliver/perform expected actions
 - Customized roles can be derived from archetype roles

ICBLM Custom Roles

- Admin
- Coordinator (learning manager)
- Examiner
- Examiner trainee (new recruit)
- Mentor
- (Trainer)
- (Course developer)
- (Evaluator)
- (supervising examiner)


List of roles for users

WIPO ASPAC Individualized Competency-Based Learning Management System

[Home](#) ▶ [Site administration](#) ▶ [Users](#) ▶ [Permissions](#) ▶ [Define roles](#)

Blocks editing on

[Manage roles](#) [Allow role assignments](#) [Allow role overrides](#) [Allow role switches](#)

Role 	Description	Short name	Edit
Learning Management Officer	renamed to meet IP Office context	lmo	↓ ⚙ ×
Examiner	Derived from role 'student'; renamed to meet IP Office context.	examiner	↑ ↓ ⚙ ×
Examiner trainee	Derived from role 'examiner'; covers new recruits; renamed to meet IP Office context.	examinertrainee	↑ ↓ ⚙ ×
Manager	Managers can access course and modify them, they usually do not participate in courses.	manager	↑ ↓ ⚙ ×
Course creator	Course creators can create new courses.	coursecreator	↑ ↓ ⚙ ×
Donor Course Creator	Would assign competencies to a donor organized course	dcc	↑ ↓ ⚙ ×
Mentor	derived from archetype editing teacher;	mentor	↑ ↓ ⚙ ×
Teacher	Teachers can do anything within a course, including changing the activities and grading students.	editingteacher	↑ ↓ ⚙ ×
Non-editing teacher	Non-editing teachers can teach in courses and grade students, but may not alter activities.	teacher	↑ ↓ ⚙ ×
Student	Students generally have fewer privileges within a course.	student	↑ ↓ ⚙ ×
Guest	Guests have minimal privileges and usually can not enter text anywhere.	guest	↑ ↓ ⚙

List of cohorts

System: available cohorts (8)

System cohorts





























[All cohorts](#)

[Add new cohort](#)

[Upload cohorts](#)

Search cohort

Search

Name	Cohort ID	Description	Cohort size	Source	Edit
DIP Bhutan	B.T.E		0	Created manually	   
DIP Lao	DIPLA		3	Created manually	   
DIP Thailand	T.H.E	All examiners of DIP Thailand	0	Created manually	   
DIP Thailand Recruits 2017	T.H.E.2017	All DIP Thailand examiners recruited in January 2017	0	Created manually	   
DIP Thailand Recruits 2018	T.H.E.2018		23	Created manually	   
GDIP Indonesia examiners	I.D.E		0	Created manually	   
IIPTI 052018	IIPTI052018	All participants of the workshop on tools for competency based learning management at IIPTI on May 9 to 11, 2018	15	Created manually	   

Learning related activities and courses

- Any learning related activity, an assessment, a survey, learning, ...can only be organized within the context of a 'course'
- ICBLM uses 'courses' to conduct
 - Self-assessment
 - Assessments
 - Manage ICBLM courses
 - Record non-ICBLM course participation
 - prior to enrollment ICBLM
 - After enrollment
 - DL course
 - Non-DL courses

Cohorts – Groups - Groupings

- Users can be affiliated with a cohort, a group or groupings
 - Not just with one but several different ones
- Cohorts: set of users on site level (and course level)
 - Can be used to enroll all members of the cohort in courses
 - Examples of cohorts:
 - All participants of a course
 - All new recruits of a recently hired batch of examiners
 - All examiners of an IPO
 - All examiners of pharmacy
- Groups: sets of users on course level or activity level
- Groupings: collection of groups

Assessments

- Self-Assessments
 - before/after training activity
 - Independent of training activity, for example with enrollment in LMS
- Validated assessments (by means of test/exam)
 - After specific training activity
 - Independent of specific training activity, for example after self-assessment

Reporting

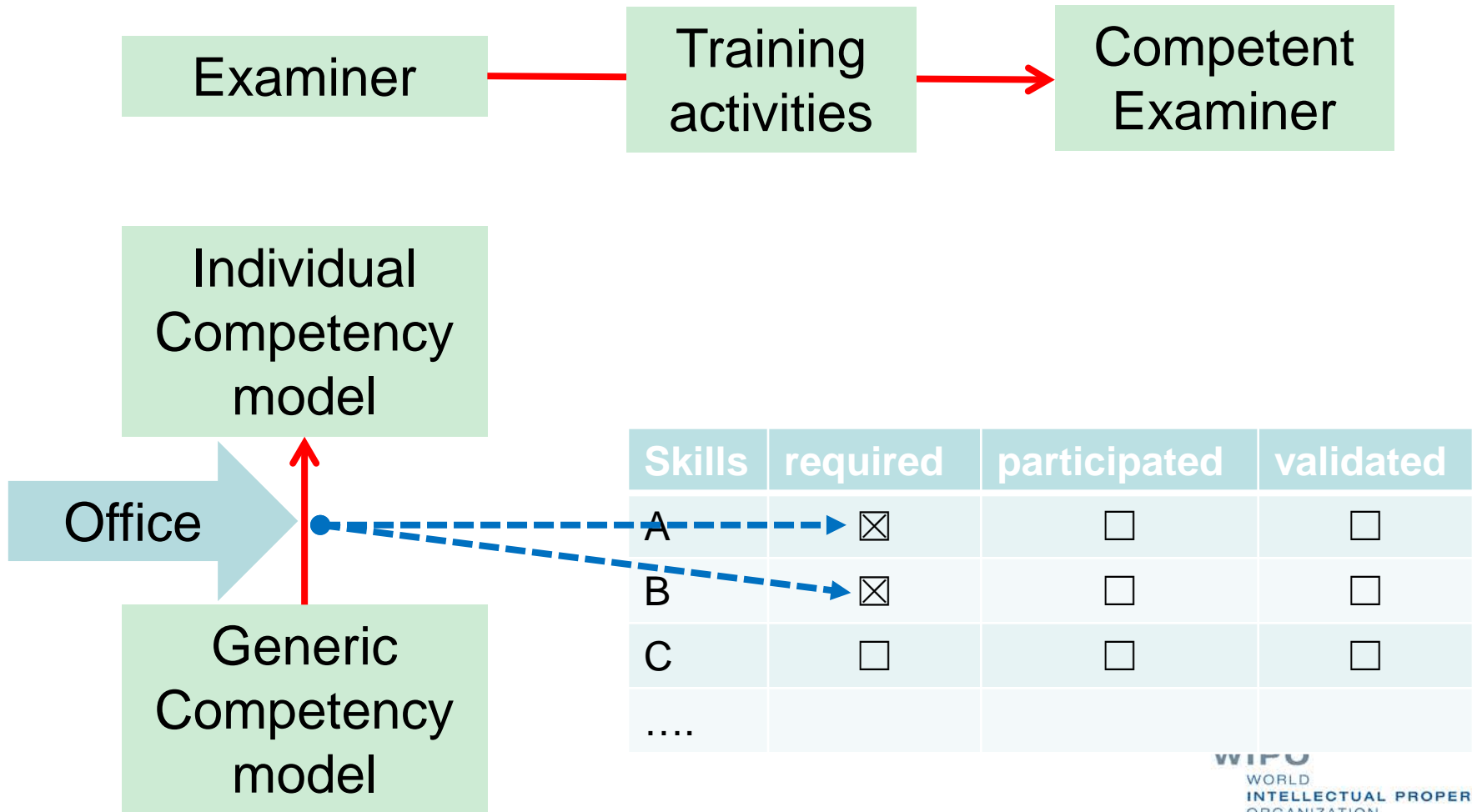
Further applications of LMS

- Develop courses
- Deliver courses
- Performance management

Thank you

lutz.mailander@wipo.int

Defining individual competency model



Individualized learning management (ASPAC)

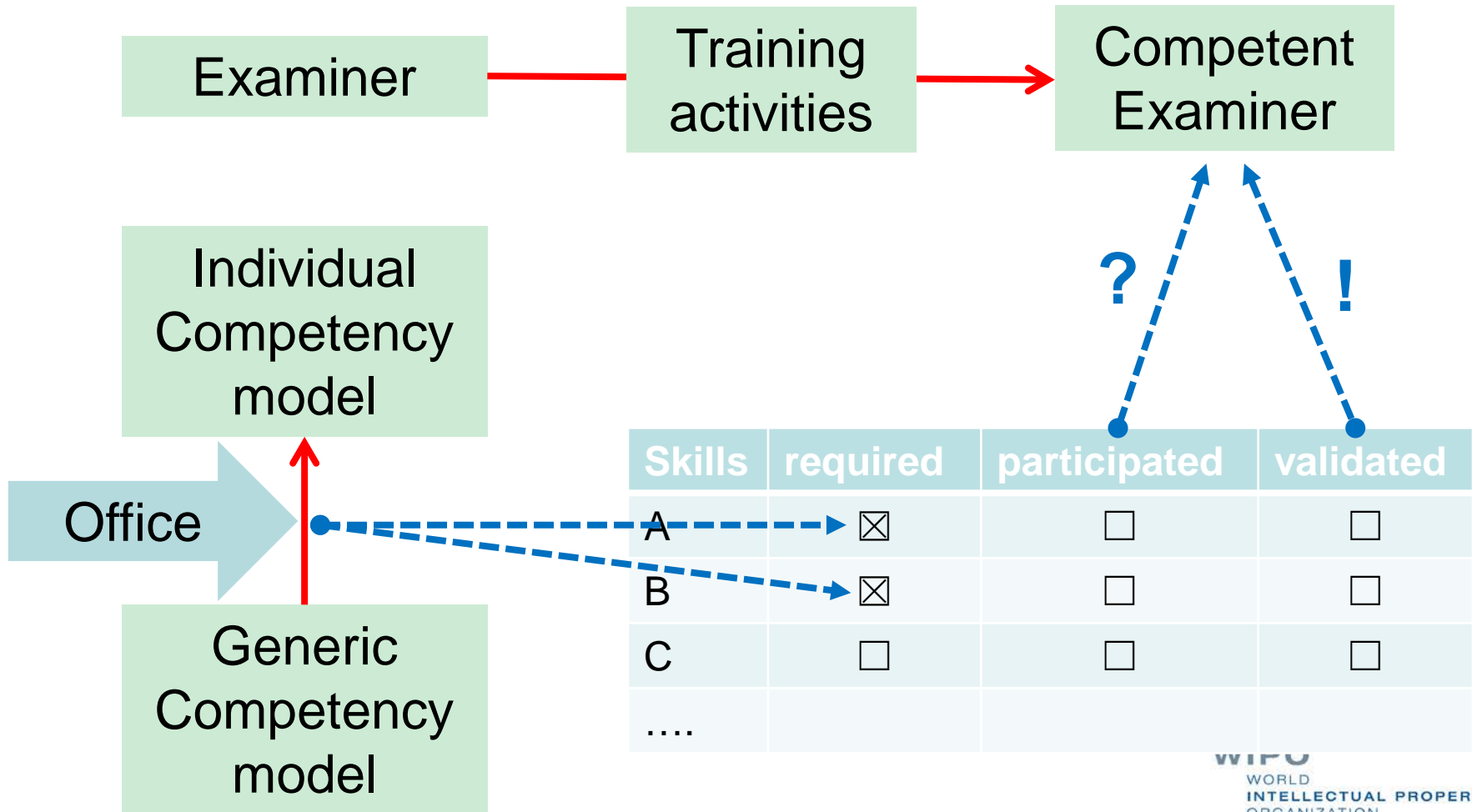
Objective of examiner training management:

- Assure that each examiner **trainee** attains all desired competencies as defined by the applicable **individual competency model**
 - by **tracking** participation in relevant training opportunities, in particular
 - By **tracking** competencies/skills/knowledge acquired thereby
 - (optionally) **Assessing** success of learning (validating)
 - by **assigning** suitable and available training opportunities

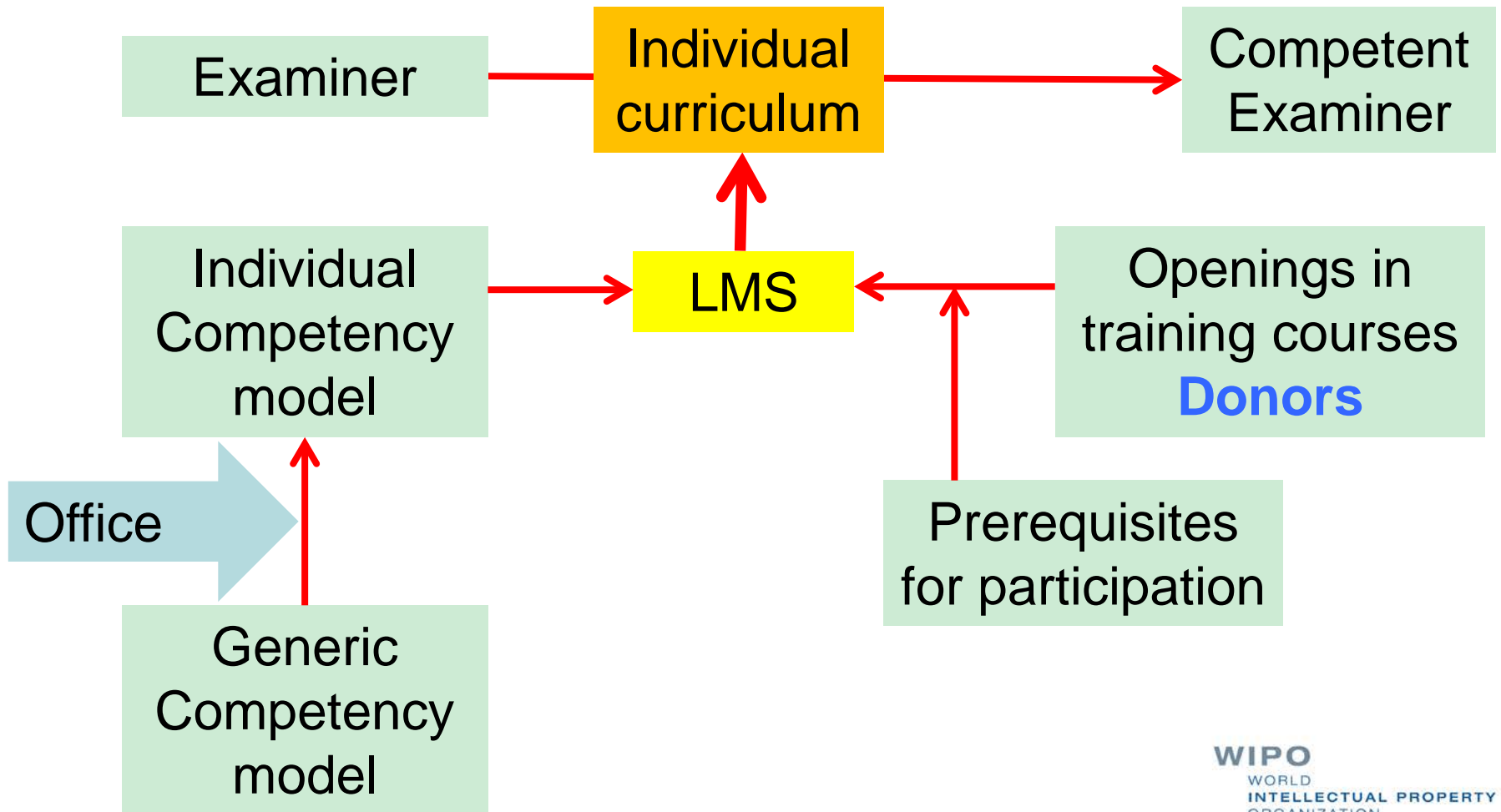


Learning Management System (LMS)

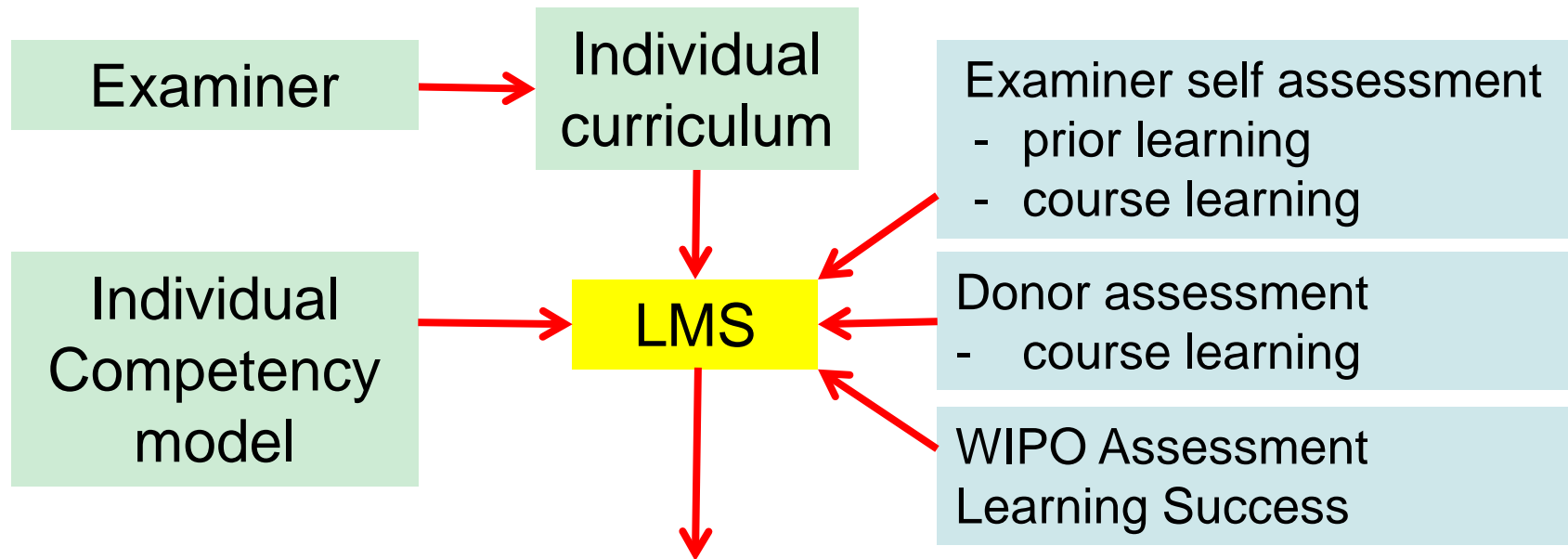
LMS: recording and tracking



LMS: Managing course participation



Tracking Learning Progress



Skills	required	participated	validated
A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
B	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
....			



WIKIPEDIA
The Free Encyclopedia

Main page
Contents
Featured content
Current events
Random article
Donate to Wikipedia
Wikipedia store

Interaction


Help
About Wikipedia
Community portal
Recent changes
Contact page

Tools

What links here
Related changes
Upload file
Special pages
Permanent link
Page information
Wikidata item
Cite this page

Print/export

Create a book
Download as PDF
Printable version

Languages 

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List of learning management systems

From Wikipedia, the free encyclopedia

See also: *Category:Learning management systems*

The following is a **list of learning management systems (LMS)**.

Contents [\[hide\]](#)

- 1 Open source
- 2 SAAS/CLOUD
- 3 Proprietary
- 4 Historical
- 5 References

Open source [\[edit\]](#)

- aTutor
- Canvas
- Chamilo
- Claroline
- eFront
- ILIAS
- LAMS
- Moodle 
- OLAT
- OpenOLAT
- Sakai
- SWAD
- Totara LMS
- WeBWork

SAAS/CLOUD [\[edit\]](#)

- Cornerstone OnDemand Inc.

WIPO ASPAC Bureau Learning Management

Home > Site administration > Competencies >

NAVIGATION

- Home
 - Dashboard
 - Site pages
 - My courses
 - BGSM
 - About

ADMIN BOOKMARKS

Bookmark this page

ADMINISTRATION

- Site administration
 - Notifications
 - Registration
 - Advanced features

Competency picker

Competency frameworks
Substantive Patent Examination 0

Locate competency
Search...

- Substantive Patent Examination
 - International legal framework
 - National legal framework
 - PCT system
 - Patent information
 - Patent classification
 - Formality examination
 - Generic substantive examination
 - Clarity of claims
 - Sufficient and clear disclosure
 - Technology specific substantive examination
 - Generic search methodologies
 - Technology specific search methodologies
 - Specific search and examination databases and tools
 - Work-sharing
 - Procedural tasks related to patent prosecution
 - Supplementary competencies
 - generic IP promotion
 - PCT promotion**

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Learning

Summary: Individualized Learning Management

ASPAC Bureau

- Competency model (CM) based rather than curriculum based
- No one fits all approach: competency models tailored to needs/constraints of IPOs
 - Small
 - Medium
- Learning Management System (LMS) for
 - Tracking and monitoring learning progress
 - Managing course assignment
 - Matching training needs with donor programs
 - Reporting, e.g. on examination capacities of office staff
- Availing of donor organized 'courses' (JPO, KIPO, EPO, USPTO, IP-AU,...;)
- **Objective** of examiner training management:
 - Assure that each examiner trainee attains all desired competencies by assigning and monitoring/tracking participation in relevant training opportunities
 - Efficient use of training opportunities provided by donors by avoiding/minimizing
 - redundant/duplicate participation
 - inefficient participation (lack of prior learning, experience)