



An Update on Developing a Framework of Technical Competencies & a Learning Management System

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Geneva
21 June 2018

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English - United States (en_us)

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WIPO ASPAC Bureau Individualized Competency Based Learning Management

WIPO

This is a test site for implementing the individualized and competency based patent examiner training management.

COURSE CATEGORIES

- International legal framework
- National legal framework
- Search methodologies
- Miscellaneous
- [All courses ...](#)

NAVIGATION

- [Home](#)
- [Site announcements](#)
- [Courses](#)

**Don't worry about your TRAINING,
we'll create and provide OPPORTUNITIES.**

Site announcements



ASPAC ICBLM born

by - [Admin](#) - Saturday, 25 February 2017, 9:59 am

We are happy to announce that a new baby of the WIPO ASPAC Bureau has been born on February 23, 2017, named **ASPAC Individualized and Competency Based Learning Management**. We trust it gradually growing to a fully fledged application capable to support all aspects of managing the vocational training of individual substantive patent examiners from recruitment to full expertise in all areas of an individually

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Competencies

Home ► Site administration ► Competencies ► Competency frameworks

ADMINISTRATION

Site administration

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Migrate frameworks

Import competency framework

Export competency framework

Competency frameworks

Learning plan templates

Badges

Location

Language

Competency frameworks

Add new competency framework

Competency frameworks repository

List of competency frameworks

Name	Competencies	Category	Actions
ICBLM patent examiner competency framework (ICBLM)	322	System	Edit
IPET Competencies (C1.0)	101	System	Edit
OJT BT PH (OJTBTPH)	11	System	Edit
RPET CF (RPET CF)	23	System	Edit
Substantive Patent Examination (x)	8	System	Edit



Competency model/framework/dictionary

- Competencies derived from/related to job descriptions: "job deliverables"
- Different categories
 - Behavioral, e.g. communication, managing,..
 - Technical (functional) competencies
- To attain/demonstrate a specific technical competency, a set of distinct
 - **skills** and
 - **knowledge** elements is required

Sample: RPET set of 23 technical skills

- Interpret specifications in accordance with rules of construction
- Consider the description
- Determine the invention
- Determine the scope of claims
- Consider clarity
- Consider clear and complete disclosure and full support
- Consider excluded subject matter
- Consider unity of invention
- Construe the scope of each claim (with regard to novelty and inventive step)
- Consider industrial applicability
- **Develop an effective search strategy**
- **Conduct online search**
- **Determine relevant prior art**
- Undertake appropriate record keeping

Sample: RPET set of 23 technical skills

- Determine if novelty exists
- Determine common general knowledge
- Determine if an inventive step exists
- Demonstrate knowledge and application of IPC system for indexing
- Produce first reports/opinions
- Consider amendments and/or arguments
- Determine the allowability of the amendments
- Demonstrate decision-making capability when considering attorneys'/ applicants' submissions
- Produce further reports (clear or adverse)

Lack of detail?

Sample: IPET competency units

Unit 2:	Construe patent specifications
Unit 3:	Evaluate patent specifications
Unit 4:	Assess novelty
Unit 5:	Assess inventive step
Unit 6:	Classify patent applications
Unit 7:	Conduct searches
Unit 8:	Produce examination reports

What **knowledge** and **skills** are required to conduct a prior art search?

Unit 7: Conduct searches

Elements and performance criteria

ELEMENTS <i>Elements describe the essential outcomes.</i>	PERFORMANCE CRITERIA <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Determine appropriate search strategies.	
2. Consider excluded subject matter.	
3. Conduct online search.	
4. Identify and retrieve relevant documents.	
5. Undertake appropriate record keeping.	

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
 - ▶ **Generic Search Methodologies** 
 - ▶ Query Syntax, Operators and Field Identifiers
 - ▶ Keyword Search
 - ▶ Classification Search 
 - ▶ Name Search
 - ▶ Date Search
 - ▶ Number Search
 - ▶ Precision and Recall
 - ▶ Search Strategy
 - ▶ Citation Search
 - ▶ Similar Documents
 - ▶ Family Reduction
- Filtering, Sorting, Ranking of Results
- Natural Language Search; Fuzzy Search
 - ▶ Language Equivalents
- Types and Objectives of Searches
- Screening and evaluating result lists
- Cross Lingual Searches
- Cross Database Searches
 - ▶ Specific Search Methodologies
- ▶ Technology Specific Search Methodologies 
- ▶ Databases and Tools for Prior Art Search
- ▶ Work Sharing
- ▶ Formality Examination

Selected competency

No competency selected

Sample domain 'Patent Classification'

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

Search... 

- ▼ 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
 - CPC
 - FI and F-Terms

Selected skill

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

Guide IPC (141-155)

Cross-referenced competencies:

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

[+ Add competency](#)

Description part of the CF element includes a reference to the official Guide to the IPC explaining the background of this skill

Explanation part of framework elements

ICBLM patent examiner competency framework *

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

Competencies

Search... 

- ▼ ICBLM patent examiner competency framework
 - ▶ International Legal and Institutional Framework
 - ▶ National Legal and Institutional Framework
 - ▼ IP Legislation
 - ▶ Subject Matter Excluded from Patent Protection
 - ▶ National IPO(s)
 - ▶ Patent Information
 - ▶ Patent Classification
 - ▶ Generic Substantive Examination
 - ▶ Technology Specific Substantive Examination
 - ▶ Generic Search Methodologies
 - ▶ Technology Specific Search Methodologies
 - ▼ Databases and Tools for Prior Art Search
 - Types of databases
 - Searchable and Retrievable Information
 - Search Interfaces
 - ▼ Patentscope
 - Use CLIR to find synonyms for a given keyword
 - Search and retrieve third party observations for a given PCT application
 - Search all national phase entries recorded in Patentscope for a given PCT application
 - For a given PCT application, check if a Chapter II preliminary examination was requested

Selected domain

Databases and Tools for Prior Art Search  

Databases/platforms useful for retrieving work products and examination status are covered by domain 'Work Sharing'

Competencies include in particular unique features of a database.

Cross-referenced competencies:

Translate given query in a query usable with another given database S.Q.TC 

 Add level

Hierarchical structure

- Each field of learning was divided in separate units
- Top layer: 'Fields of learning'
- Second layer
- ...
- Lowest layer: Each element on the lowest level/layer may represent either
 - **Skill**
 - "Capable to research family information for a given application"
 - **Knowledge**
 - "Capable to explain the concept of a 'simple family'"
- Some elements may be represented both as knowledge or skill
 - Capable to describe the concept of family reduction (knowledge)
 - Capable to test if a specific database applies family reduction (skill)
- Wording should enable assessments

Top level: Fields of learning (domains)

Competencies

Home ► Site administration ► Competencies ► Competency frameworks ► ICBLM patent examiner competency framework

ICBLM patent examiner competency framework *

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Competencies

Search...



- ▼ ICBLM patent examiner competency framework
 - International Legal and Institutional Framework
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 - Patent Information
 - Patent Classification
 - Generic Substantive Examination
 - Technology Specific Substantive Examination
 - Generic Search Methodologies
 - Technology Specific Search Methodologies
 - Databases and Tools for Prior Art Search
 - Work-Sharing
 - Formality Examination
 - Procedural Tasks of Patent Prosecution
 - Miscellaneous

Selected competency

+ Add domain

Cross-referenced competencies

ICBLM patent examiner competency framework

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

Competencies



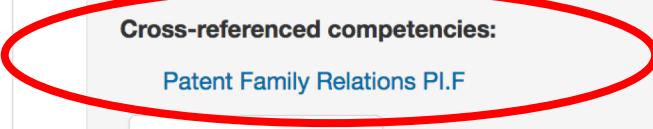
- ▼ ICBLM patent examiner competency framework
 - ▶ International Legal and Institutional Framework
 - ▶ National Legal and Institutional Framework
- ▼ Patent Information
 - Construction of Patent Documents
 - Types and Categories of Claims (Claim Construction)
 - ▶ Types of Data and Information
 - ▶ Publication of Patent Information
- ▼ Patent Family Relations
 - ▶ Types of patent families
 - ▶ Divisions
 - Continuations
 - ▶ WIPO Standards
 - ▶ Meta (bibliographic) data
- ▶ Patent Classification
- ▶ 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

Selected level
Family Relations W.F

Cross-referenced competencies:

Patent Family Relations PI.F

+ Add competency



Cross-referenced competencies

Search... 

- ▼ 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
 - ▶ Classification Practice
 - ▶ Revision
 - ▼ IPC-PUB
 - ▶ For a given text segment, use IPC-CAT to find a suitable IPC symbol 'Electronic Layer'
 - ▶ CPC
 - FI and F-Terms
 - DECLA
 - Machine Classification
 - ▶ Generic Substantive Examination
 - ▶ Technology Specific Substantive Examination
 - ▼ Generic Search Methodologies
 - ▶ Query Syntax, Operators and Field Identifiers
 - ▶ Keyword Search
 - ▼ Classification Search
 - Determine relevant classification symbol(s) for given subject matter to be searched
 - For a given IPC symbol, find other symbols relevant for search
 - Determine relevant classification symbols by means of keyword search of

Selected competency

Determine relevant classification symbol(s) for given subject matter to be searched SCD Edit ▾

Cross-referenced competencies:

For a given text segment, use IPC-CAT to find a suitable IPC symbol PC.I.PUB.CAT ×

[+ Add skill](#)

Reflecting national practices

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
 - ▶ IP Legislation
 - ➡ Subject Matter Excluded from Patent Protection
National IPO(s)
 - ▶ Patent Information
 - ▶ Patent Classification
 - ▼ Generic Substantive Examination
 - ▶ Technical Nature of Invention
 - ▼ Exclusions
 - ➡ Determine if claimed subject matter is excluded from patent protection
 - ▶ Support
 - ▶ Clarity and Legal Certainty
 - ▶ Unity
 - ▶ Industrial Applicability
 - ▶ Relevant Date for Prior Art
 - ▶ Person Skilled in the Art
 - ▶ Novelty

Selected competency

Determine if claimed subject matter is excluded from patent protection E.E.D Edit ▾

Cross-referenced competencies:

Subject Matter Excluded from Patent Protection NFL.E ✖

+ Add skill

Cross-references to domain
'National Legal Framework' permit inclusion of national practices

Competence scales

ASPAC ICBLM

- Admin -

WIPO ASPAC Bureau Individualized Competency Based Learning Management

Home > Site administration > Grades > Scales

Blocks editing on

ADMINISTRATION

- ▶ Site administration
 - ⚙ Notifications
 - ⚙ Registration
 - ⚙ Advanced features
 - ▶ Users
 - ▶ Courses
- ▶ Grades
 - ⚙ General settings
 - ⚙ Grade category settings
 - ⚙ Grade item settings
 - ⚙ Scales**
 - ⚙ Letters
 - ▶ Report settings
- ▶ Competencies
- ▶ Badges
- ▶ Location
- ▶ Language
- ▶ Plugins
- ▶ Security
- ▶ Appearance
- ▶ Front page
- ▶ Server
- ▶ Reports

Custom scales

Standard scales

Scale	Used	Edit
Default competence scale Not yet competent, Competent	Yes	⚙
Staggered competency levels not competent, basic competence, medium competence, competent, expert	Yes	⚙
Self assessment staggered Very Low, Low, Medium, High, Very High	Yes	⚙

Add a new scale

Competence is assessed by means of course activities,
such as 'quizzes', 'assignments',..

The way forward: competency framework

- Compatibility of ICBLM CF with CBT frameworks of RPET-Mentoring
 - Concordance tables
 - Harmonizing wording
- Develop sample domain 'National Legal and Institutional Framework' in cooperation with interest office
- Add further skills, in particular skills enabling assessments
 - for example, database specific skills
 - Cooperate with expert bodies like IPC Committee of Experts
- Add explanations
 - Links to PCT S&E Guidelines
- Review hierarchical ordering
 - As few levels as possible
- Review codes/symbols used for each framework element

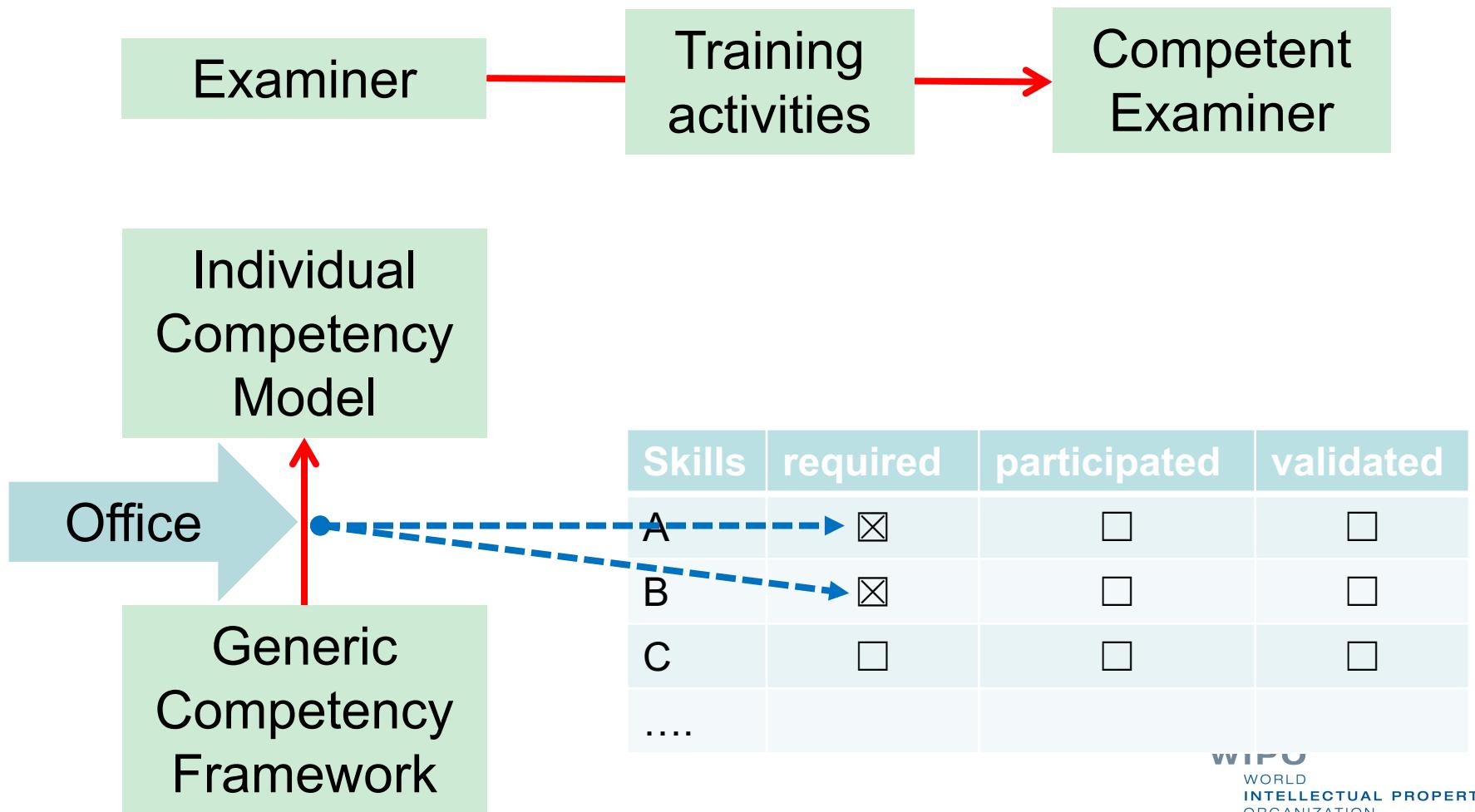
Why do we need detailed competency models?

- Sufficiently detailed competency models/frameworks facilitate, **in standardized manner**,
 - **Define individualized competency models**
 - Efficient communication of training needs
 - From beneficiary to provider/WIPO & WIPO to provider/donor
 - Definition of prerequisites for training activities (by provider)
 - Description of course content (by provider) (syllabus)
 - Standardized tracking of training progress in terms of competencies
 - Participation
 - Success of learning
 - Reporting

Competencies and training

- No "one fits all" approach:
 - Different organizations
 - Different individuals (job descriptions)
- Different competencies required depending on
 - How an office organizes substantive examination
 - Stand alone substantive examination (**middle to large offices**)
 - IPET, RPET: (more) emphasis on **prior art search skills**
 - Outsourcing (**small offices**): emphasis on **work-sharing skills**
 - Additional skills needed for further activities like IP promotion, advisory services for applicants, ...

Defining individual competency model



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

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	



Click to create
individual learning plan
from template

- [Edit](#)
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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 ▾

Sirinat Anuphant	x@y.a
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Mohd Hafiz Azmi	mha@2.my
Rizwan Basharat	rb@2.pk
Thitiya Booranathawornsom	thitiya.bn@gmail.com
Napapat Chaisubanan	napapatchai@gmail.com
Poksavivanh Chanthalungsy	Chanthalungsy@1.la
Marjorie De Luna	marjorie.deluna@ipophil.gov.ph
Thien Hoang Do	thd@y.z
Keetaya Hoover	keetaya.hoover@gmail.com
Dhekoeman Litwitsuthorn	dhewitwitsuthorn@ipophil.gov.ph

Select examiner

Email address

x@y.a

marjorie.deluna@ipophil.gov.ph

docs for this page

as - Admin - (Log out)
ome

Learning plans in profile of trainees



Rizwan Basharat

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Home ► Users ► Rizwan Basharat ► View profile

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User details

Email address
rb@2.pk

Highest degree obtained on
4 May 2018

[Edit profile](#)

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

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

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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 TE.DT Path: ICBLM patent examiner competency framework / TE	-	No	-	Edit ▾

Trainee's learning plan & Finding suitable courses



Rizwan Basharat

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

Medium IPO

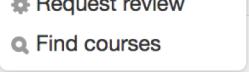
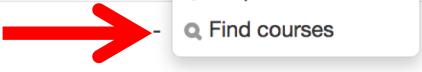
Status
Active (Complete this learning plan)

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 /IPC Path: ICBLM patent examiner competency framework / IF	-	No	-	
PCT /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

Suitable courses covering selected competency

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



Linked courses

Courses linked to this competency

1. International legal and institutional framework ILIF

Comments (0)

Learning plan competencies

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

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

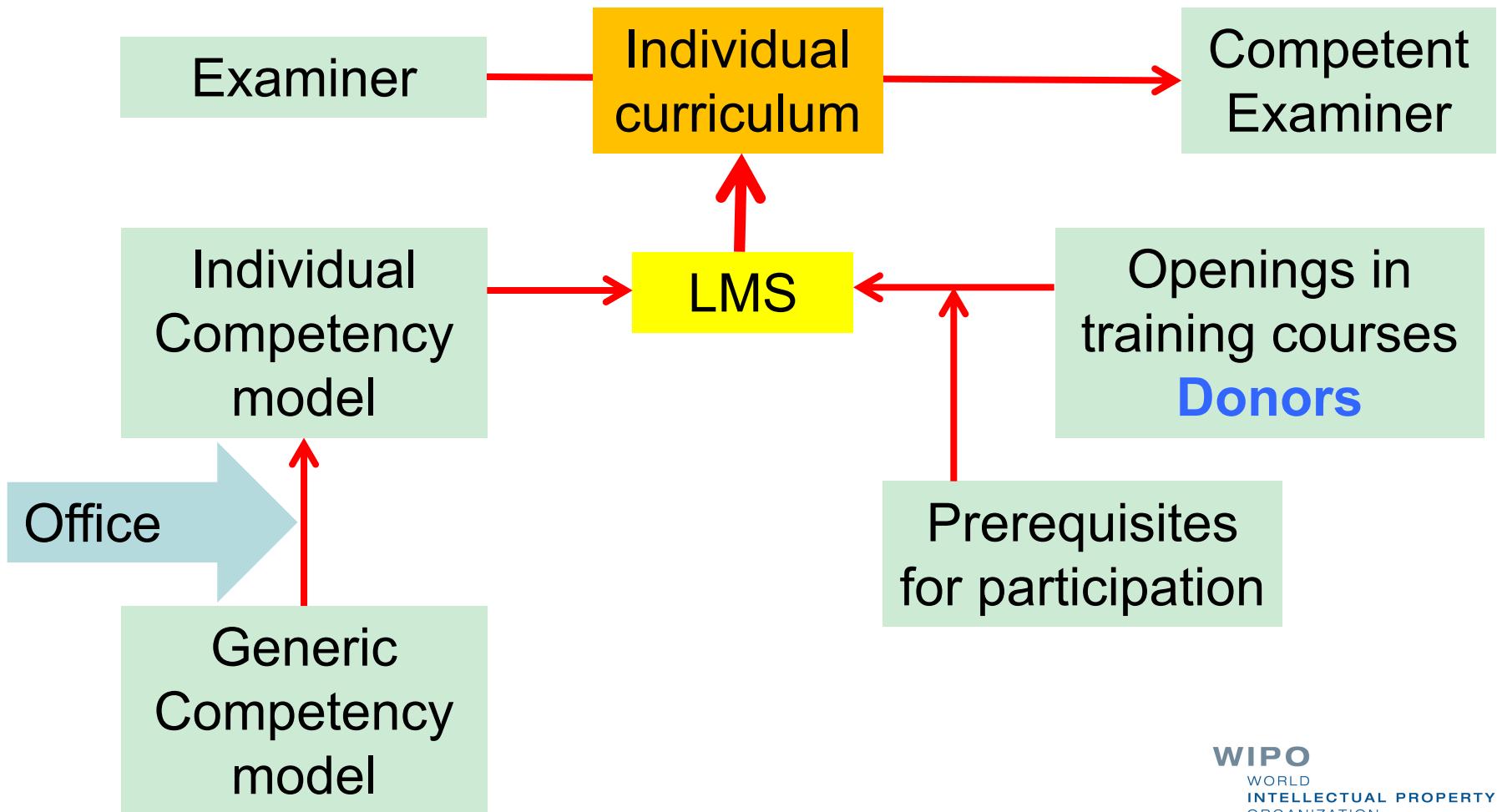
Add Cancel

ADMINISTRATION

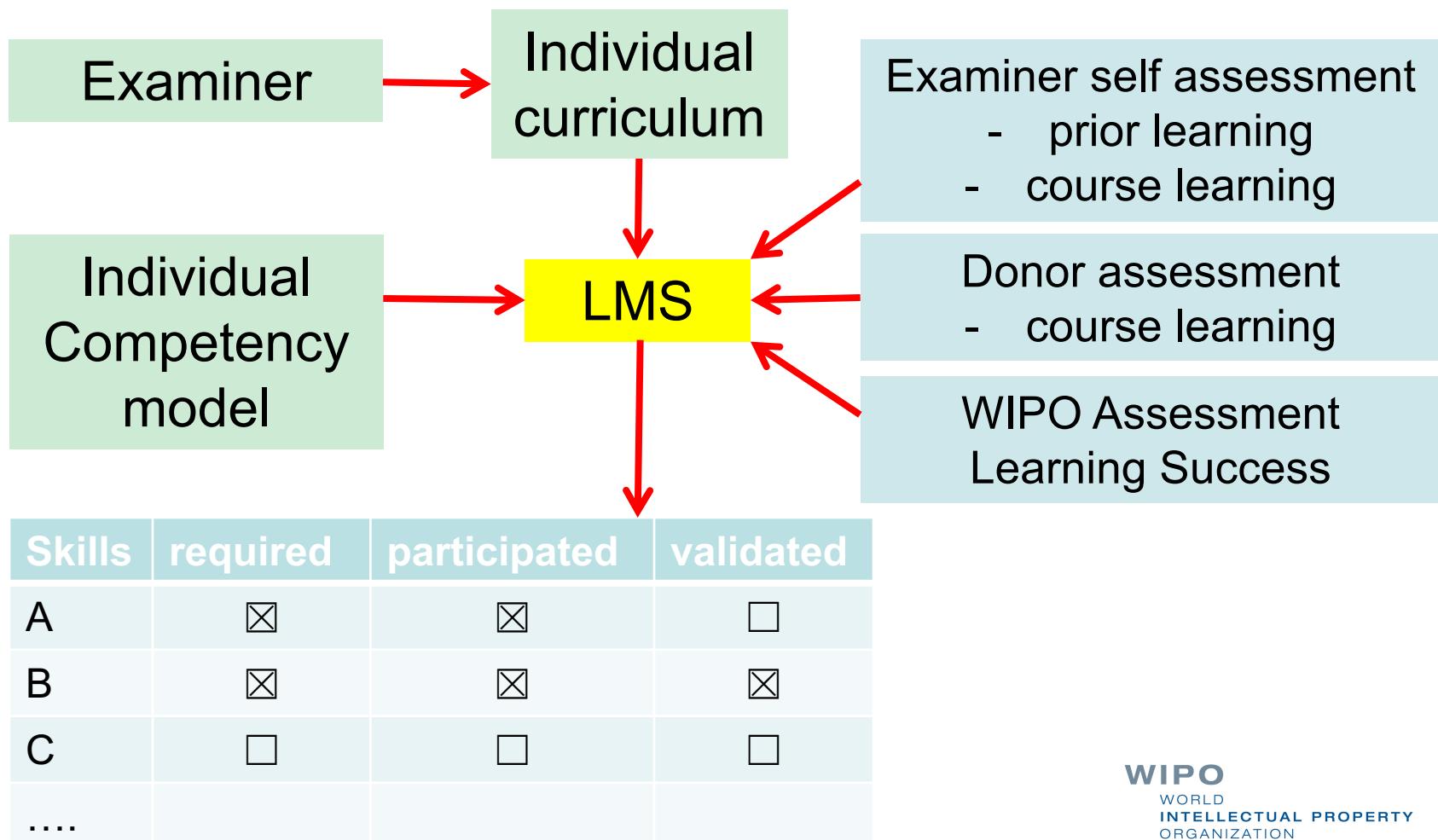
- ▼ Course administration
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 - Turn editing on
 - Course completion
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 - Import
 - Publish
 - Reset
 - ▶ Question bank
- ▶ Site administration

Search

LMS: Managing course assignment



LMS: Tracking Learning Progress



Assessments

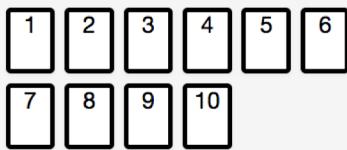
- Self-Assessments
 - before/after training activity
 - Independent of training activity, for example with enrollment in LMS
- Validated assessments (by means of test/exam)
 - After specific training activity
 - Independent of specific training activity, for example after self-assessment

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:

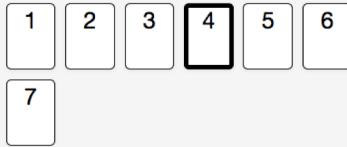
- Very low
- Low
- Medium
- High
- Very High

Assessment test for competency 'family relations'

Worksharing

Home > My courses > WS > Preview

QUIZ NAVIGATION



[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
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 - [Group overrides](#)
 - [User overrides](#)
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- 🔍 [Preview](#)
 - ▶ Results
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 - Permissions
 - Check permissions
 - Filters
 - Logs
 - Backup
 - Restore
 - ▶ Question bank
- ▶ Course administration
- ▶ Site administration

Recording participation in training activities

Ramli

Participant

Home ► Courses ► Participation in Training Activities ► PTA

Participation in Training Activities (Workshops, Seminars, DL)

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Entries per page

10



[Search](#)

Sort by

Family name



Ascending



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

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 Siriwanasit	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	

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	BT.E		0	Created manually	
DIP Lao	DIPLA		3	Created manually	
DIP Thailand	TH.E	All examiners of DIP Thailand	0	Created manually	
DIP Thailand Recruits 2017	TH.E.2017	All DIP Thailand examiners recruited in January 2017	0	Created manually	
DIP Thailand Recruits 2018	TH.E.2018		23	Created manually	
GDIP Indonesia examiners	ID.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	

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 (custom) 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	⬆️ ⬇️ ⚙️

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

Further applications of LMS

- Develop courses
- Deliver courses
- Performance management

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

The way forward: LMS

- Explore MOODLE further to add
 - Reporting
 - ...
- Additional functionalities or specific configurations needed by offices
 - Custom roles
- Develop assessment for domain 'work-sharing'
- Exporting and sharing of data (CF,...)
- Populate system with data of examiners
- Promote among offices
- *Networking local sites*

Thank you

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