



Update - Developing Tools for Competency Based Learning Management

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PCT/WG/14 SIDE EVENT
10 JUNE 2021

Agenda Side Event

- Recent developments by International Bureau
 - Learning Management System (LMS)
 - Using LMS for developing demo of repository of e-learning resources
- Recent developments at IPOPHL re local LMS site

IB activities on examiner training management

- **PCT WG** (surveys; concept for improving coordination of training)
 - Survey examiner training (document [PCT/WG/9/18](#))
 - **Concept** for improved coordination of training (document [PCT/WG/10/9](#)) proposed development and use of training management tools
 - **Competency framework (CF)** for substantive examination of patents
 - **Learning Management System (LMS)**
- Objectives: **assure comprehensive training** & **efficient use of training opportunities**
- Development commenced as pilot project in cooperation with ASPAC Division with assistance of 2 Individual Contractor Services (examiners from MyIPO and IPOPHL)
- Similar progress reporting side events at sessions of PCT WG 10, 11, 12, and 14
 - [PCT/WG/10/PRESENTATION/EXAMINER TRAINING](#)
 - [PCT/WG/11/PRESENTATION/CBT MANAGEMENT TOOLS](#)
 - [PCT/WG/12/PRESENTATION/CBT MANAGEMENT TOOLS](#)
 - https://www.wipo.int/meetings/en/details.jsp?meeting_id=64588
- Presentations at ASPAC HIPOC meetings 2016 and 2019

Training management tools

- **Framework of technical Competencies (CF)** for substantive examination of patents
 - Generic skill set (examination++)
 - as comprehensive as possible
 - as detailed as needed
 - **Enabling customized skill sets, i.e. learning plans** (adapted to national specifics, examination policy, ...)
 - Based on which progress of learning can be tracked
- **Learning Management System (LMS)**
 - **Enabling competency-based learning management**
 - Recording individual learning plans
 - Tracking progress along learning plan(manual/automatic)
 - Enabling all further regular uses of an LMS (learning activities)
 - **Web-based site** (Moodlecloud; browser based access) as prototype for local sites of IPOs: <https://icblm.moodlecloud.com>
 - Demonstrating and testing some functions of LMS, and for
 - Viewing and editing the competency framework (CF)

Web based Moodlecloud test site

Rectangular Snap

Log in to Individualized and Competency Based Learning Management for Patent Examiners

Username

Password

Log in

Lost password?

Some courses may allow guest access

Log in as a guest

h (en) ▾ | Cookies notice

If you continue browsing this website, you agree to our policies: [MoodleCloud policy](#), [MoodleCloud cookies policy](#)

Continue


icblm.moodlecloud.com

New guest access without login










Moodlecloud test site after guest login



Note to Guests: Some resources of this site are shared through guest access. If you have logged in as Guest, you see below a table of courses, some of which are publicly accessible and indicated by an 'open lock' symbol.

 GLOSSARY
Glossary

Courses

- ▼ PCT WG Demo
 - ▼ Demo 1: E-learning for guest users (no individual learning management)
 -  Compilation of e-learning resources  
 - ▼ Demo 2: Personalized E-learning (enabling learning management)
 - ▼ E-learning IPO_A
 -  Option: Checklist  
 -  Option: Assessment after viewing  
 - E-learning IPO_B
 - ▶ PCT WG ongoing work
 - ▶ Using LMS for examiner training and performance management
 - ▶ Learning
 - ▶ Self-Assessments
 - ▶ Assessments
 - ▶ Miscellaneous
 - ▶ Work Assignments Patent Examination Department (demo)

Demo 1 for Guest User access

Enabling **only access** to external or internal e-learning courses

Demo 2 for registered User access

Enabling **access** to external or internal e-learning courses plus **tracking and/or assessments**

'Repository'/platform for accessing e-learning

- Guest user mode (**Demo 1**)
 - Activities of guest users are not tracked
 - Simple platform for accessing resource
 - Implemented though 'database' module of Moodle
 - Can be exported and shared for integration in other LMS

- Registered user mode (user with student role) (**Demo 2**)
 - Enables monitoring or triggering user activities
 - 'Students' enrolled in courses
 - which are **linking** to **external** voluntary or obligatory e-learning resources
 - which may include imported e-learning content
 - Courses may include assessments
 - Enables reporting on
 - learning progress of students (participation only and/or assessment)
 - course/e-learning usage statistics,
 - Enables access restrictions (users from selected institutions)

Tracking of individual access via 'checklist'

ICBLM Home Dashboard **My courses**

✕

▼ General

▼ Sample 1: checklist of reco...

Suggested e-learning resour...



cl / Suggested e-learning resources

CHECKLIST

Suggested e-learning resources

Suggested e-learning resources

All items:  50%

- USPTO webinar: Introduction to prior art rejections 
- USPTO webinar: Restrictions - lack of unity 

List of external resources

Presented to all students enrolled in course

May be checked after viewing for tracking

Optional comments

Students enrolled in 'checklist'

✕

▼ General

▼ Sample 1: checklist of reco...

Suggested e-learning resour...

Rectangular Snip

Option: Checklist

Course Participants Grades Competencies

Enrolled users



Match ✕

+ Add condition Clear filters Apply filters

2 participants found

First name A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Surname A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

First name / Surname ^	Roles	Groups
 _examiner1_IPO_A	Student	No groups
 _examiner2_IPO_A	Student	No groups



Sample of participation report – user related

ICBLM Home Dashboard My courses Site administration Reporting tab visible for managers/teachers Edit mode

Option: Checklist

Course Settings Participants Grades Reports **More**

Course participation Type of report Type of participation

Activity module Recommended e-learning resources Look back Choose... Show only Student Show actions View

Go

Groups: All participants
Checklist Views
Checklist Posts

2

First name / Surname	View	Select
_examiner2_IPO_A	Yes (3)	<input type="checkbox"/>
_examiner1_IPO_A	Yes (2)	<input type="checkbox"/>

Select all 'No'

With selected users... Choose...

Assessment via knowledge test

▼ General


Collapse all

This unit presents a single external e-learning resource including the respective link. The success of learning is assessed by means of a quiz. Other types of exams are possible, such as submitting an essay, completing an assignment,...

It is possible to set a passing grade for the quiz to be achieved by an examiner in order to successfully complete this learning activity in an automated manner.

▼ Sample 2: obligatory webinar with short test

This is an obligatory e-learning activity for entry-level examiners of the USPTO.




URL
USPTO webinar: Prior art rejections

Please view this webinar; it is a mandatory part of your learning path.

✔ Done: View

External e-learning to be viewed



QUIZ
Knowledge test - USPTO prior art rejections

Please take this short quiz to validate your success of learning after having viewed the above webinar.

✔ Done: Receive a grade
✘ Failed: Receive a passing grade

Quiz to be passed for activity completion

Assessment via knowledge test

ICBLM Home Dashboard My courses

✕

▼ General

Announcements

▼ Sample 2: obligatory webi...

USPTO webinar: Prior art reje...

Knowledge test - USPTO prio...

▼ Sample 2: obligatory webi...

USPTO webinar: Restriction - ...

Assess unity of invention

ass / Knowledge test - USPTO prior art rejections



Knowledge test - USPTO prior art rejections

Started on	Tuesday, 4 October 2022, 8:39 AM
State	Finished
Completed on	Tuesday, 4 October 2022, 8:39 AM
Time taken	12 secs
Marks	2.00/2.00
Grade	10.00 out of 10.00 (100%)

Question 1

Correct

Mark 1.00 out of 1.00

🚩 Flag question

Are there cases where documents published after the **priority date** may represent relevant prior art?

Select one:

True ✓

False

The correct answer is 'True'.

Question 2

Correct

Mark 1.00 out of 1.00

🚩 Flag question

Are there cases where documents published after the **filing date** may represent relevant prior art?

Select one:

True ✓

False

Congratulations!

The correct answer is 'True'.

Sample of activity report – usage related

Option: Assessment after viewing

Course Settings Participants Grades Reports More

Available to users with manager/teacher role

Activity report

Activity report

> Filter

Viewing statistics

Computed from logs since Sunday, 24 February 2019, 5:51 PM.

Activity	Views	Last access
Sample 2: obligatory webinar with short test		
USPTO webinar: Prior art rejections	10 views by 3 users	Tuesday, 4 October 2022, 8:47 AM (13 mins 21 secs)
Knowledge test - USPTO prior art rejections	19 views by 3 users	Tuesday, 4 October 2022, 8:58 AM (2 mins 31 secs)
Sample 2: obligatory webinar with short test		
USPTO webinar: Restriction - lack of unity	4 views by 2 users	Monday, 3 October 2022, 9:42 PM (11 hours 18 mins)
Assess unity of invention	36 views by 2 users	Monday, 3 October 2022, 9:53 PM (11 hours 7 mins)

Sample of completion report – user related

Option: Assessment after viewing

- Course
- Settings
- Participants
- Grades
- Reports
- More ▾

Activity completion ▾

Activity completion

Include All activities and resources ▾ Activity order Order in course ▾

First name All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Surname All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

User related completion statistics

First name / Surname	Username	Email address	Department	Institution	Country	USPTO webinar: Prior art ...	Knowledge test - USPTO ...	USPTO webinar: Restriction ...
_examiner1_IPO_A	e1a	1@x.com		IPO_A	CH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_examiner2_IPO_A	e2a	2@x.com		IPO_A	CH	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Download in spreadsheet format (UTF-8 .csv)
 Download in Excel-compatible format (.csv)

LMS for accessing e-learning resources

Platform for

- Accessing
 - External e-learning resources (linking)
 - Internal e-learning resources
- Free access for guest users (uncontrolled, not monitored)
- Monitored/tracked access
- Optional validation of success of learning
- Restricted access for selected users (from certain IPOs; completed prior learning)
- Reporting

- Sharing e-learning content via export/backup
- Sharing LMS backup for setting up local sites

- Developing content (translations thereof)

Thank you

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The zoom meeting will start at 1:15pm Geneva time

Side event of the 15th session of the PCT WG