The Next Generation of Aviation Professionals
NEW LEARNING

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Content

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1.

SHORT BACKGROUND JAA TO
JAA TO Background

- Training at JAA outsourced until 2005
- From 2005 onwards changed approach
- JAA TO is a Non-Profit Organisation
- JAA TO is fully Self Funded
- Since July 2009 Associated Body of ECAC
Since beginning of 2006 over 35,000 professionals from almost 2,000 organisations attended JAA TO courses

Approximately 40 % of JAA TO audience are Regulators

To date JAA TO training portfolio deals with Safety, Environment and Facilitation

At present nearly 110 different training courses
JAA TO Background

- Offering JAA TO courses on 8 locations worldwide
- Hoofddorp – Netherlands & Belgrade - Serbia own locations
- All Partnerships endorsed by National CAA
2. Challenges in Mobilizing the Next Generation(s) of Aviation Professional
Challenges in Mobilizing the Next Generation(s) of Aviation Professionals

- 20\textsuperscript{th} vs 21\textsuperscript{st} Century Education and Learning
- Improving the image of specific aviation professions
- Labor and Knowledge Migration (International Competition)
- Regulatory aspects with regard to training and education
Differences in 20th Century Learning Compared to 21st Century Learning

Classroom Lessons

Teacher-Centered

Information: local media, libraries, newspaper

Limited types of course material

Limited teaching implements: blackboards and books mainly

Blended Learning

Student-Centered

Information: Internet, via e-mail, mobile phones, instant messaging, blogs, wikis, podcasts...

Varied study materials (DVDs, virtual books, E-Books, Internet, online follow-up etc.)

Varied teaching resources: interactive boards, CBT, e-Learning, self-study, videos, serious games, virtual classes...
20th Century Education and Learning

ENVIRONMENT

INFORMATION

TOOLS
21st Century Education and Learning

ENVIRONMENT

INFORMATION

TOOLS
Young People Do learn differently

In order to Engage and not Enrage them we need to challenge them using the technology which appeals to them

The amount of Information young people will need to be able to process is mind staggering (Gathering vs Selecting)

Teachers/Instructors will have increasing “Attention Competition” if they do not adapt
Improving the image of specific Aviation Professions

Some professions have bigger challenges
Improving the image of specific aviation professions

Other Professions may not have such Big Challenges....

YET !!!
Improving the image of specific aviation professions

But it is not a given that this will remain

- Many of the “hot jobs” of the 21st century may not even exist today
- Young people will change careers faster and more often

And in order to keep the entire system functioning the industry needs them all

- Everyone knows the effects if one link in the chain breaks down
Labor and Knowledge Migration

Differences in compensation, career opportunities and other benefits will continue to generate International Labor Competition

WHICH OFTEN LEADS TO
Labor and Knowledge Migration

But this is not a new phenomena and will be very difficult to stop.
Regulatory Aspects with Regard to Training and Education

- Certain Professions in Aviation education and training is regulated (licensed)

- Other area’s such as accountable management and oversight still much left to individual states
There are already a number of initiatives running.

In Europe EASA has taken steps, f.i. SAFA Inspector Training.

More could be done with regard to a further International Harmonised Approach.

This Symposium could be a crucial catalyst.
What has JAA TO done so far?

- Developed a series of Accountable Manager and Nominated Postholder courses
- Fully embraced EASA’s SAFA Inspector Training Requirements and EASA Regulatory Training Examination Scheme (E-Exam)
- Developed for ECAC full PRM Training modules (including e-learning and blended sessions)
- Are seeking constant international Partnerships in order to promote Harmonisation of Training
What is JAA TO looking into?

- E-Books
- Serious gaming
- Collaborative Blended Sessions
- 3-D Virtual Classrooms
- How to keep our Trainers on board with all these innovations
3. Closing Remarks
Closing Remarks

Aircraft Technology has gone from this

To this .....in just over 100 years
Closing Remarks

Who knows, what is next

We better prepare for Real 21st Century Education and Training
Thank you for your attention!

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