Philippe BEAULIEU
Head of Maintenance Training

Competence Based Type Training for maintenance Today & Tomorrow

AIRBUS

Content

1 Competence Assessment

2 Competence Evolution

3 Learner Profile

4 Conclusion

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Competence Assessment

- The objective of training is to gain the required competences in performing safe maintenance
- The required competences have to be assessed
- Two kind of competences:
  - Operational competences
  - Interpersonal competences

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Competence Assessment

Competences to be reached:

- Uses reports and indications
- Identifies Aircraft documentation
- Uses Aircraft documentation
- Performs correctly maintenance actions
- Operates complying with Environment
- Takes Systems interaction into account
- Performs Aircraft final / close-up
- Reports (establish & signs maintenance logbook)

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Competence Assessment

Practical assessment

Apply

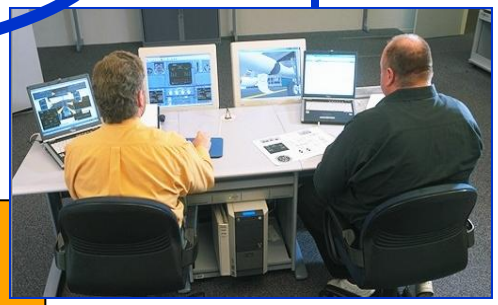
Use, demonstrate, solve, construct..

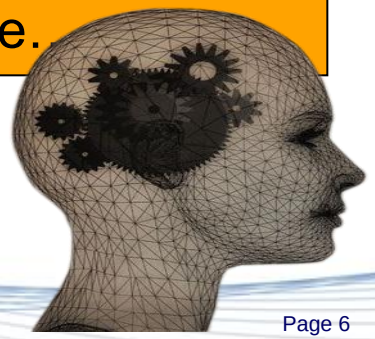
Understand

Explain, summarize, describe, illustrate …

Remember

Name, state, list, define.





Theory examination

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Competence Assessment

Competences to be reached:

- Uses reports and indications
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TRANSVERSAL

Once the competence is mastered it is transferable to different tasks on different subjects, if the adequate knowledge is acquired

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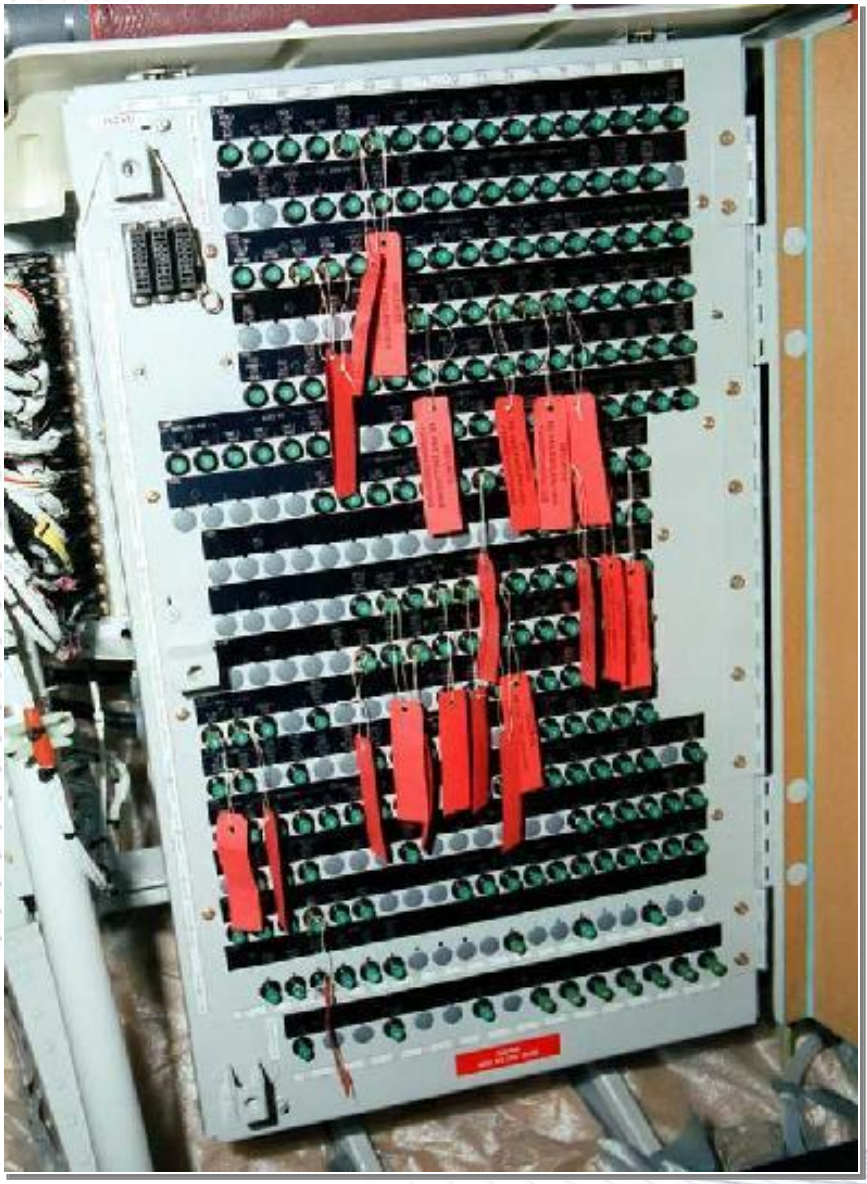
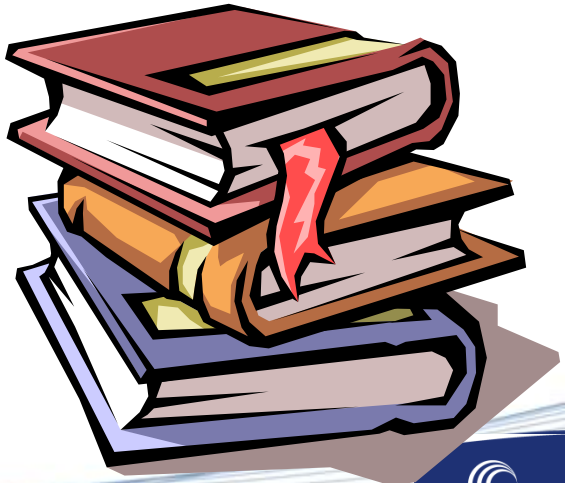
New HMI



from physical tools…



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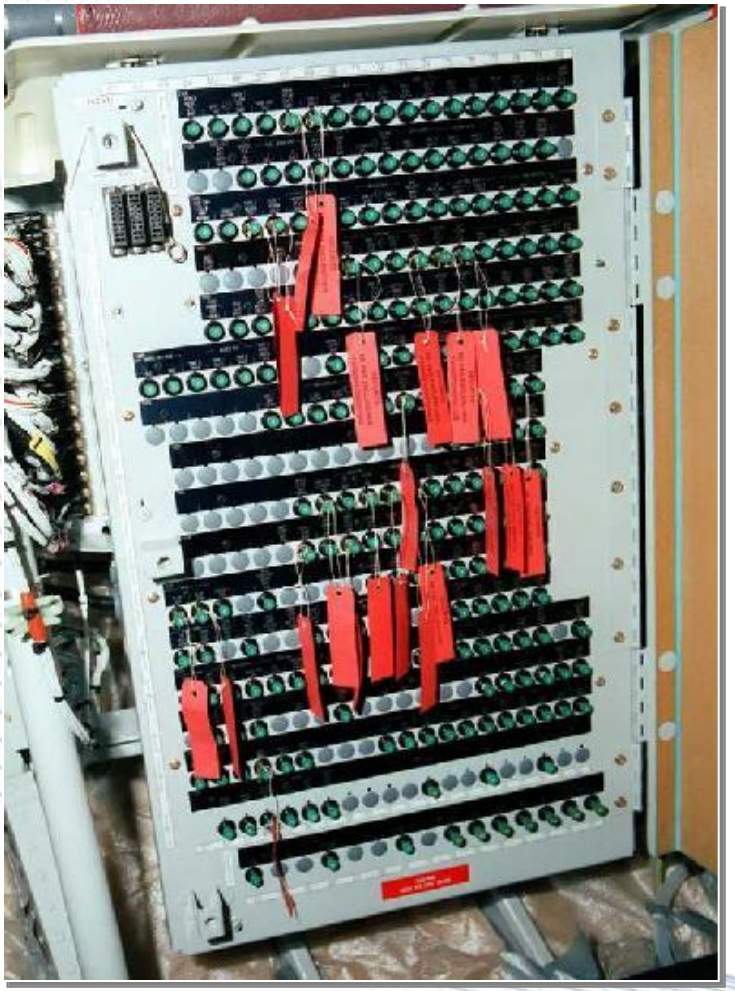
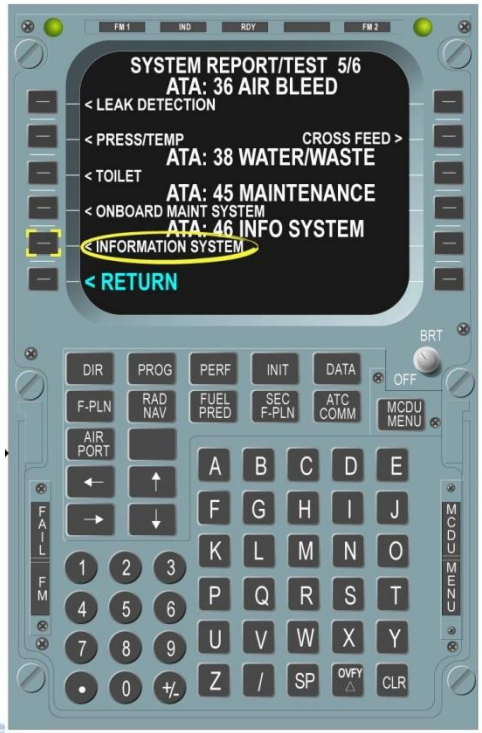
New HMI



…via digital tools…



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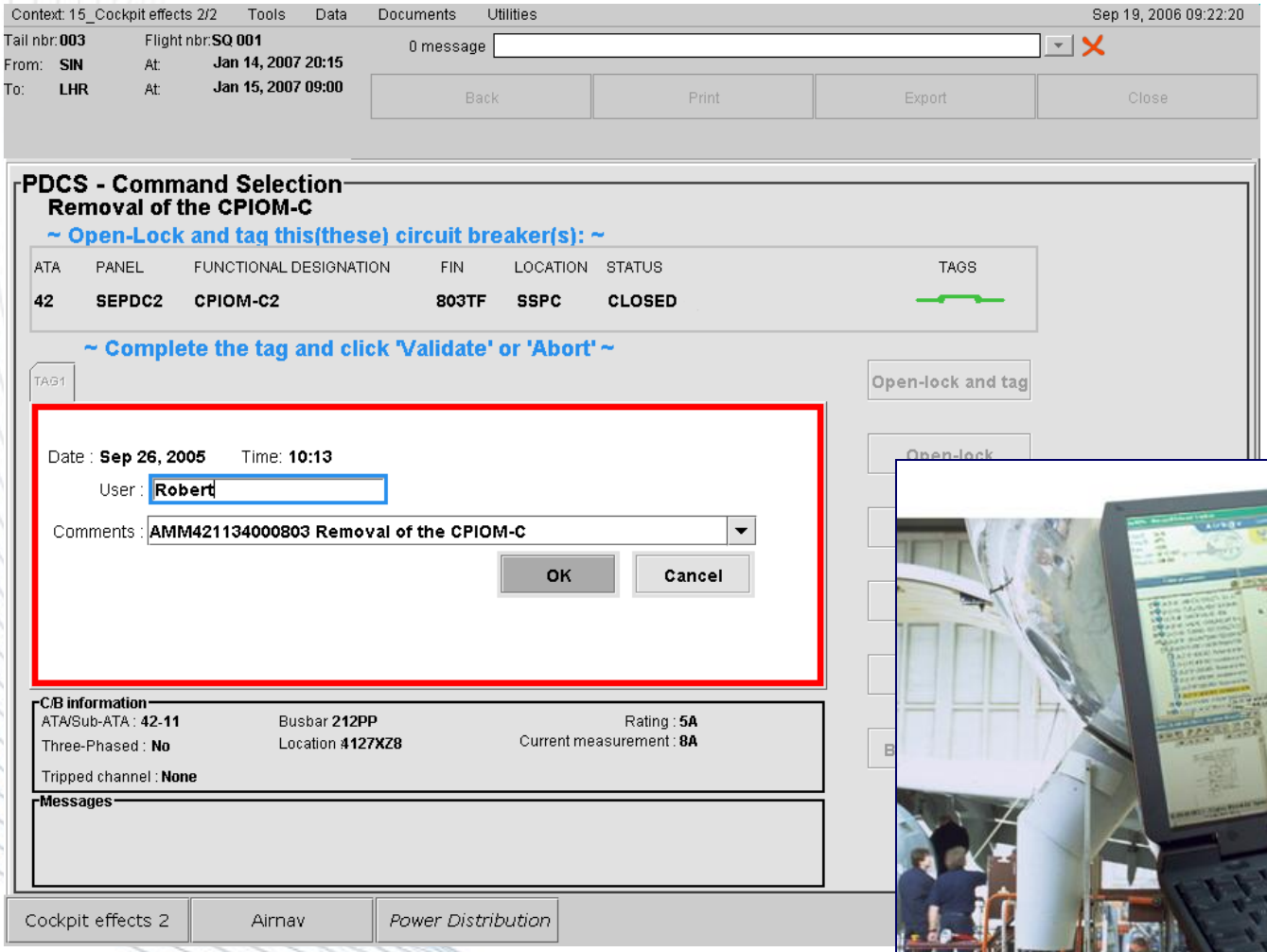
New HMI



…to IT world…

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New maintenance practices

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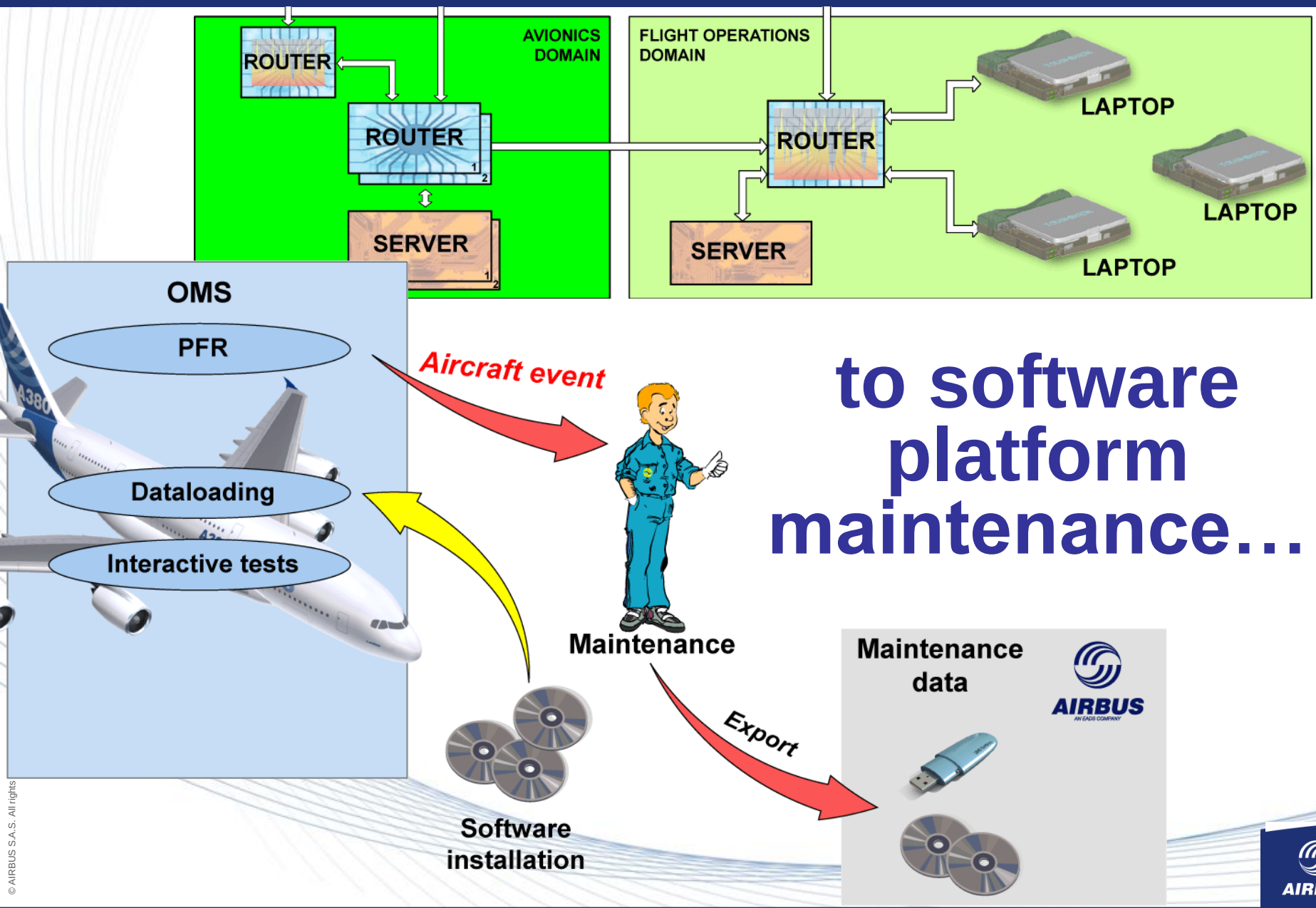
New maintenance practices



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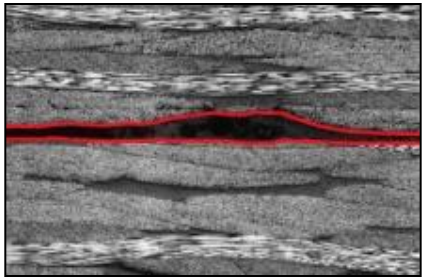
New competences for structure repair

BOLTED REPAIRS

Delaminations

BONDED REPAIRS

Delamination



Porosity

Bad Bonding

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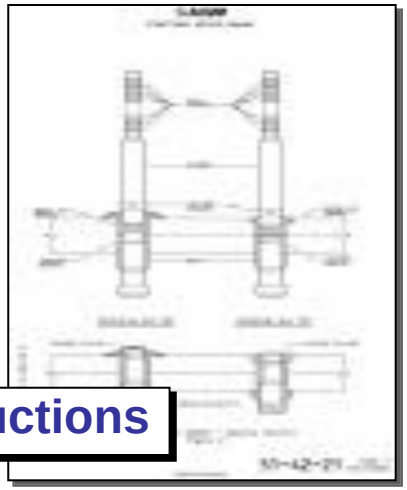
New competences for structure repair

Standard Practices

BOLTED REPAIRS



Instructions

Tools

Skills

BEST PRACTICES

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New competences for structure repair

Standard Practices

BONDED REPAIRS

REPAIR SUCCESS = **Quality Control (each step)**

Surface preparation

Drying

Material Storage

Repair

Curing

Instructions

Skills

BEST PRACTICES

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Learner Profile

How do we take into account the preferred learning style during maintenance type training?

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Learner Profile

How efficient is the traditional lecture method?

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Learner Profile

Technology can support advanced teaching methods

iGeneration learners build knowledge by discovering

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Conclusion

Competences are identified

Training is adapted to Learner Profile

Competences are assessed

These are the main drivers of Competence Based Training for maintenance type rating

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