EASA
European Union Aviation Safety Agency

STC Best Practices

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STC WORKSHOP

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Your safety is our mission.

An Agency of the European Union

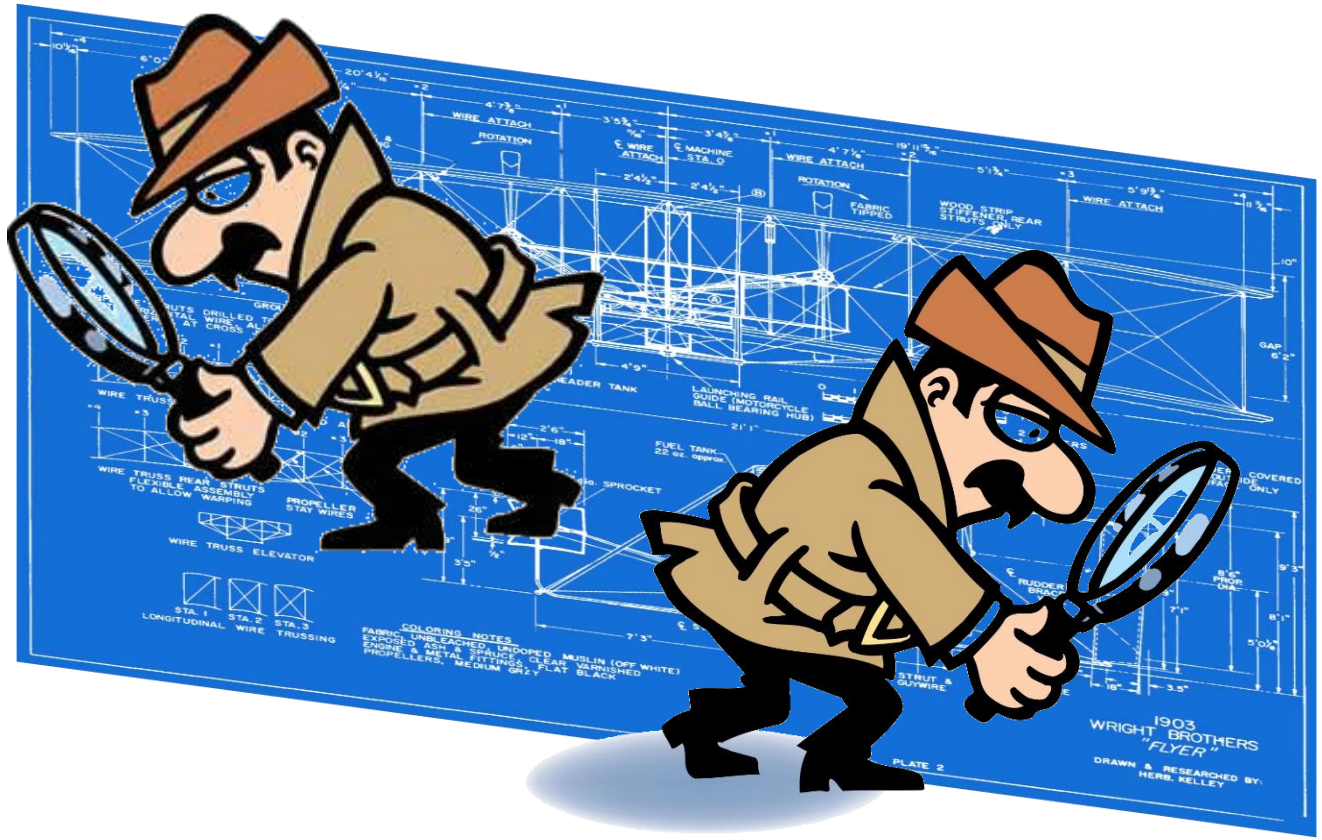
HOW TO GET BETTER?

STC Best practices

INNOVATION

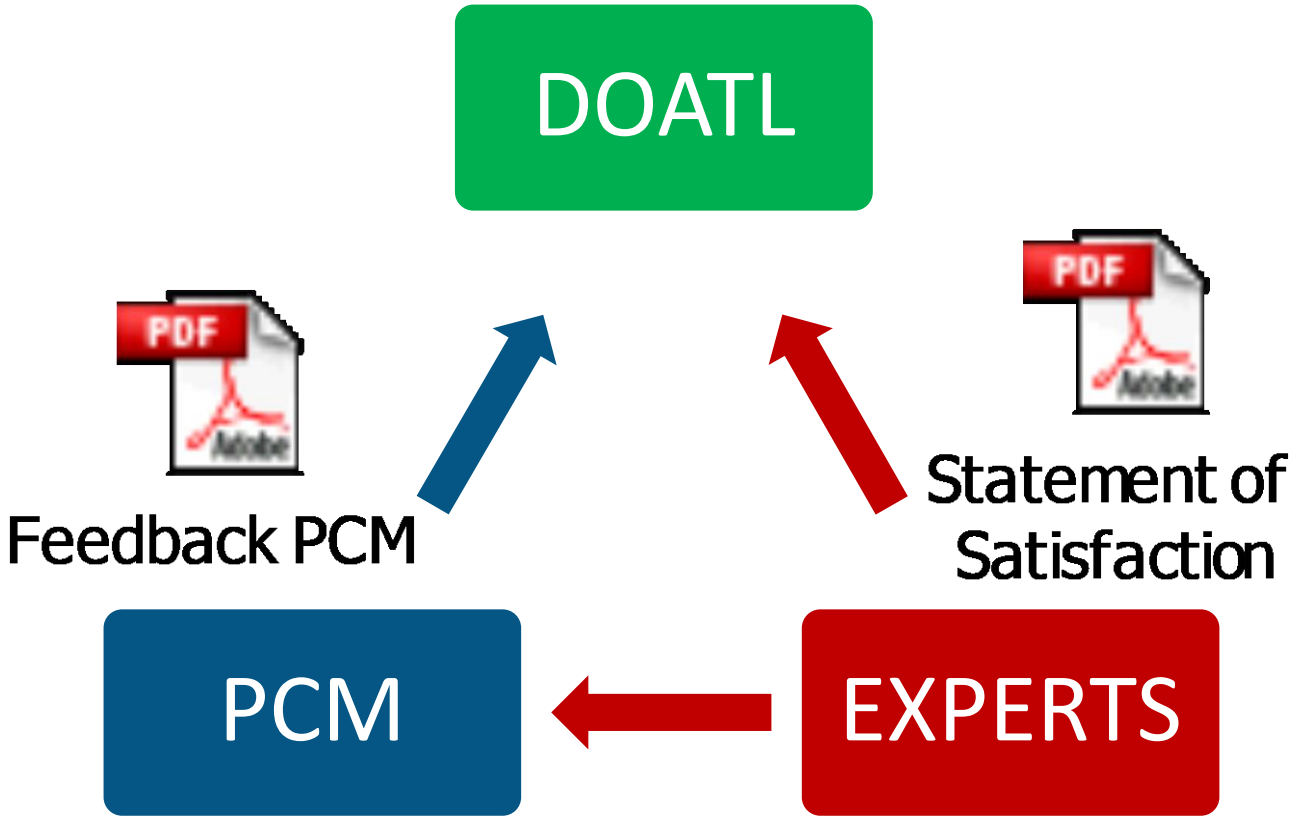
10 years ago, the **STC Pilot Project**

- Challenge: to interface project processing and DOA surveillance



INNOVATION

- One result in particular:

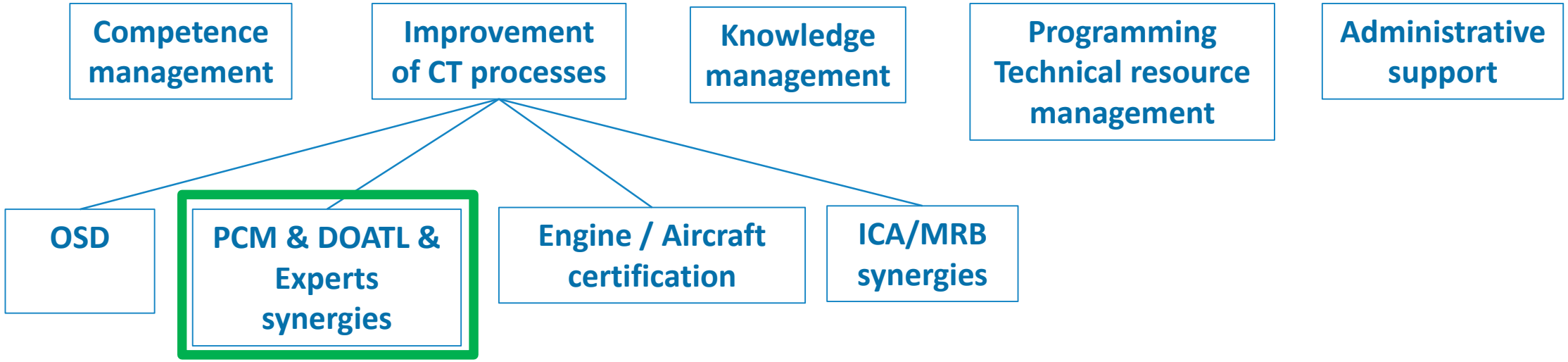


INNOVATION - 10 years ago: the STC pilot project

- Those innovations are now routine
- Further developments:
  - PCM focal points
  - Level of involvement
  - SEPIAC
  - SYNERGY project
  - STC coordinator Large Aeroplanes
  - CT2020 Roadmap 2.0

CT2020 – ROADMAP 2.0

- Targets
  - Gain efficiency through optimal use of Technical & Admin resources
  - Increase agility to adapt to innovation
  - Strengthen the organization & improve the Certification process for the benefit of all



PROJECTS MANAGEMENT...

.. is about coping with unexpected events.

Follow some guidelines to find the way out!

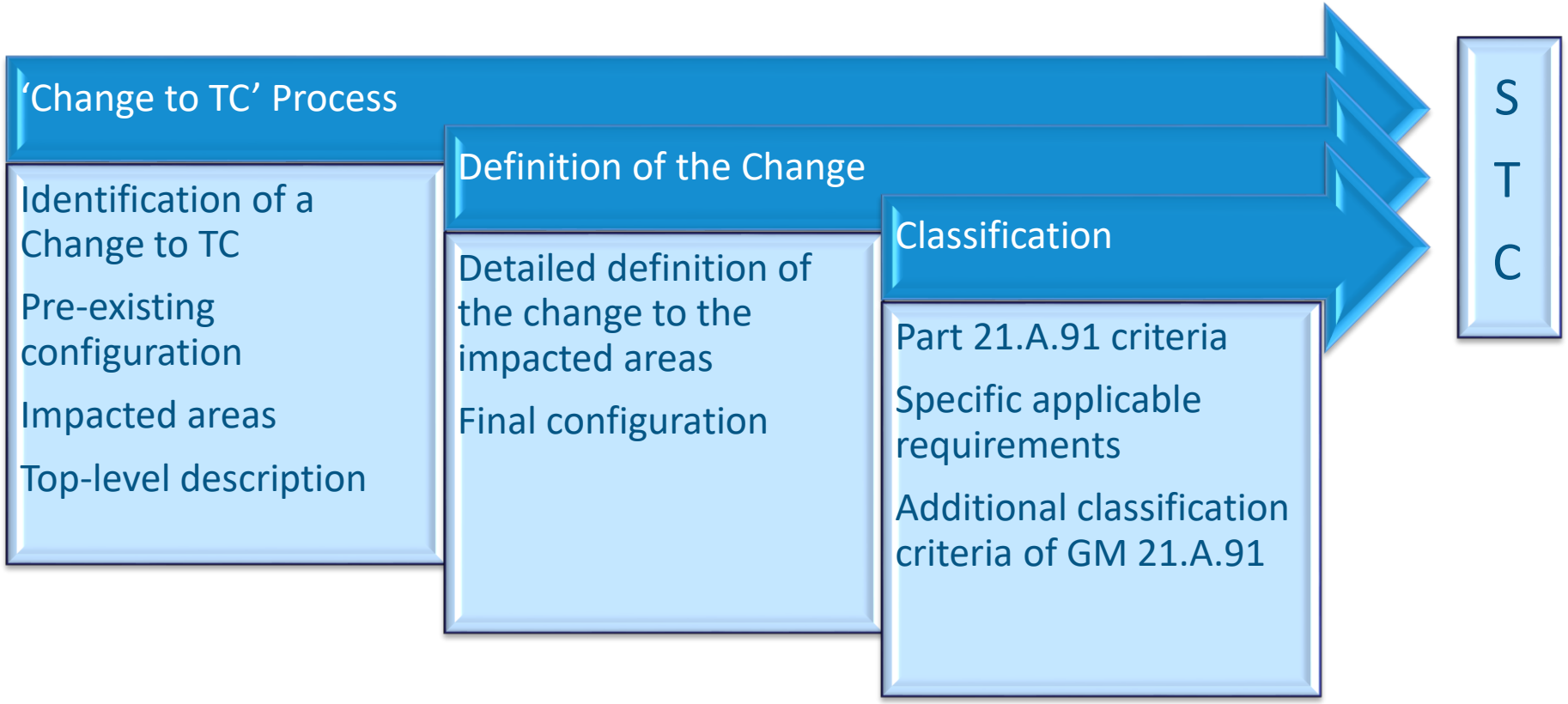
TIMELINE

Good preparation is paramount.

Don´t be the white rabbit!

TIMELINE

Before the project



TIMELINE

Classification is a core competence

Please consider carefully

- GM to 21.A.91: complementary guidance i.p. about OSD
- Specific requirements: published Certification Review Items

TIMELINE - time is flying!

Open points to be addressed as soon as possible

- Ask proactively for EASA position on possible issues
- Propose solutions

Expert-to-expert talk faster than through the project manager

EASA staff have a high number of projects to deal with

- Each time a review is done, need for some time to recall the details→ less review sessions, higher efficiency

TIMELINE - time is flying!

Documents to be delivered as soon as possible

- generally 4 week period is necessary for a review
- Please deliver documents before last week/day of the project!

Be ready to define a recovery plan

COMMUNICATION

Clear communication is efficient.

Don´t be the Mad Hatter!

COMMUNICATION

Actions

- Be clear about your target dates (and their changes)
- The certification programme needs to be clear, concise and complete
- Cross references are not as helpful as explanations
- Expert-to-expert talks lower the risk of misunderstanding

COMMUNICATION

Tools

- Use SEPIAC instead of emails
  - Make sure that your counterpart uses SEPIAC
- If the benefit is recognized, a focal point PCM is nominated
- Soon for all: Level Of Involvement in the CP
- Close coordination with DOA Teamleaders: SYNERGY effort
- For important issues: CRI issuance

QUALITY

Quality is about preparation and competences

Don´t be Alice!

QUALITY

Experts and PCM feedback assess 3 areas

- Project planning and communication:

  Initial detailed information AND changes during the project

- Applicable requirements / MoC

  Clearly acceptable and sufficiently detailed information

- Compliance documents

  documents correct, complete, clearly written

QUALITY

Applicant feedback

Do not hesitate to contact your DOA TL or the STC coordinator!

POST-PROJECT

Be wise and future-oriented.

Be the caterpillar!

POST-PROJECT

Continued Airworthiness obligations

See presentations from STC workshops 2016, 2017 and 2018

After the project is before the project!

- Lessons learnt should be defined after a challenging project
- Lessons learnt can be shared with EASA (DOA TL, PCM, experts)
- The next project should take advantage of lessons learnt

Special thanks...

... to Mr Lewis Caroll

Questions?

EASA
European Union Aviation Safety Agency

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