

SERVICES

Airbus Flight Training: **The Importance of Monitoring**



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AIRBUS

What Was I Taught?

What Was I Taught?

“Stay ahead...
...of your aircraft”

...training golden rule

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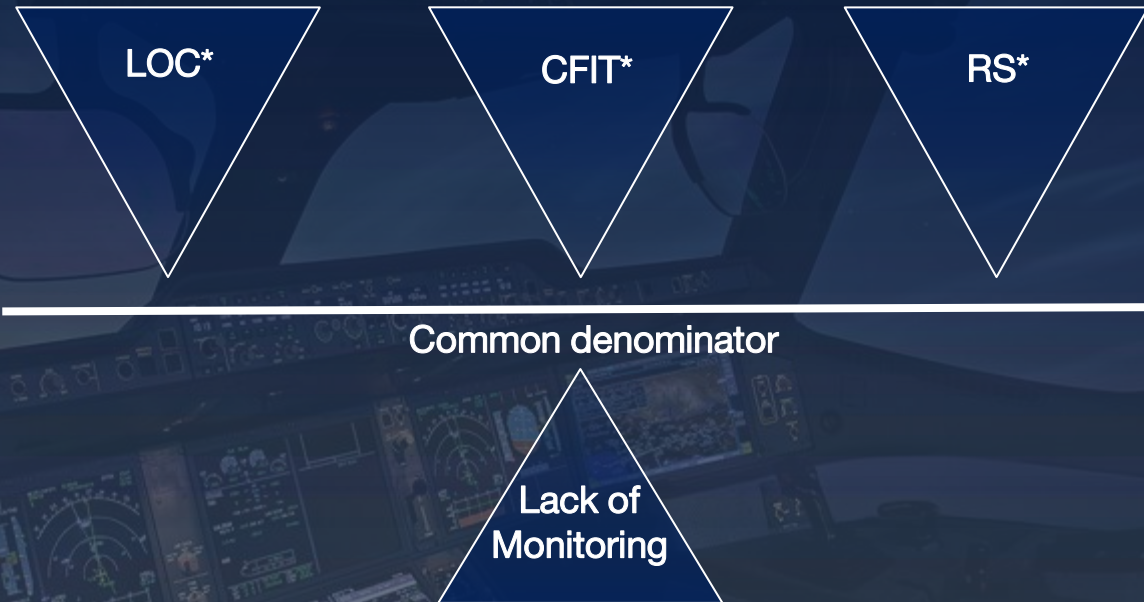
Figures

3 main categories of accident

22% of 15000 LOSA records show monitoring as medium to poor leading to an UAS

Lack of effective monitoring leads to of all accidents

3 primary causes of accidents are due to weak monitoring



Line Operations Safety Assessments
Undesired Aircraft State

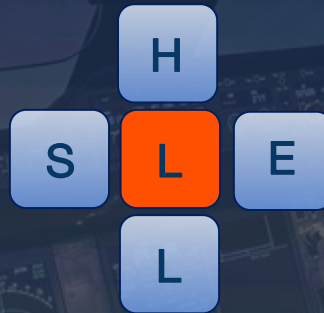
*Loss of Control
*Controlled Flight Into Terrain
*Runway Safety

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Monitoring...

... is a combination of multiple aspects

The SHEL(L) Model



Software
Hardware
Environment
Liveware

Source:
Edwards/Hawkins

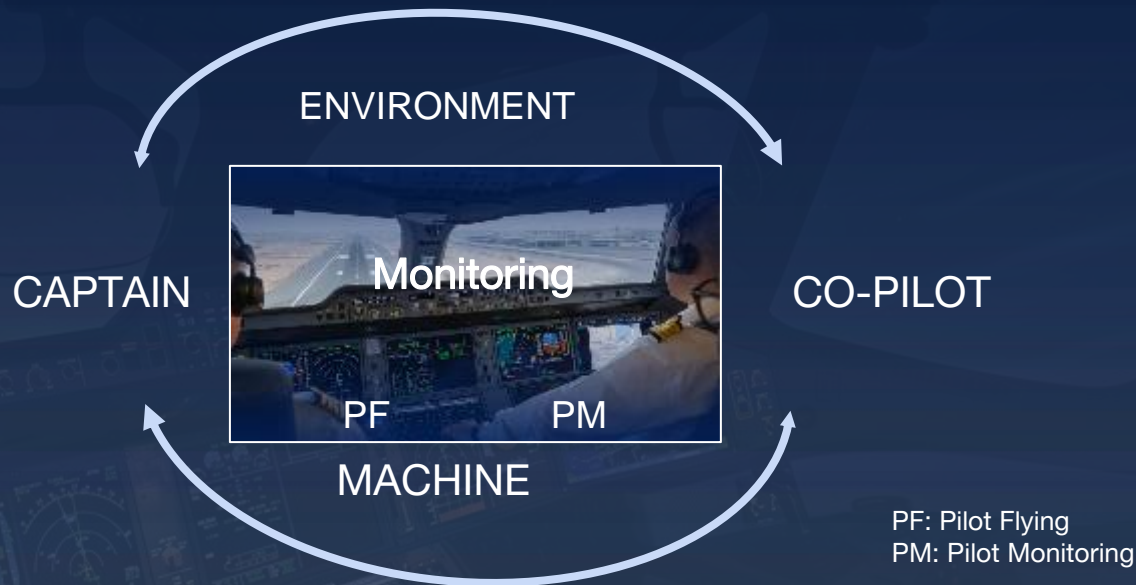
■ Error
■ Threat

How... do we monitor?

HOW?

WHAT?

CHALLENGES &
BARRIERS...



ATTENTION MANAGEMENT

CROSS-CHECKING/
DELIBERATE CHECKING

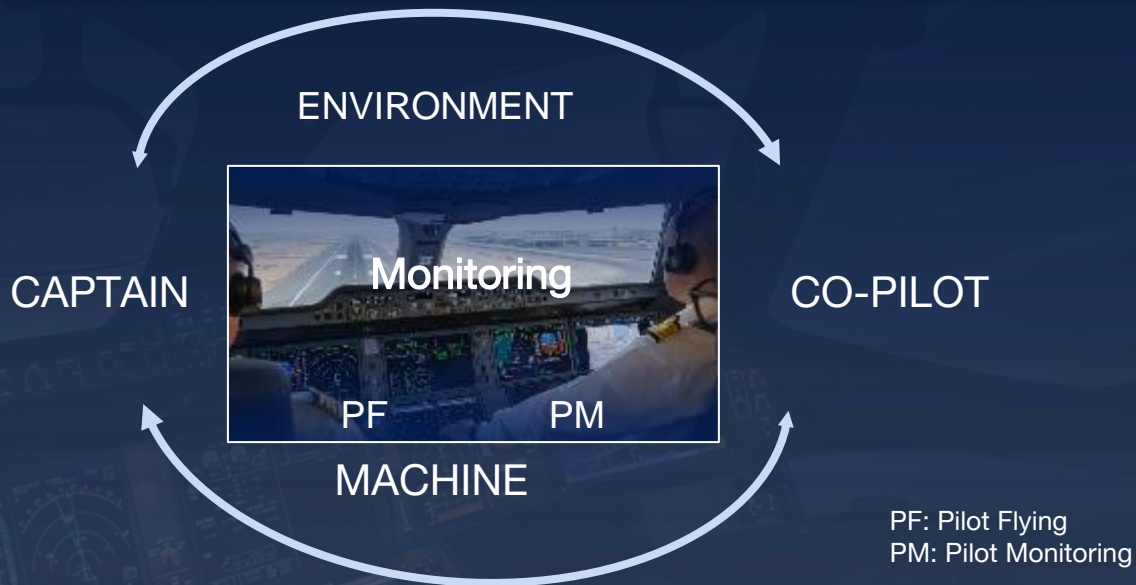
KNOW YOUR ROLE

What... do we monitor?

HOW?

WHAT?

CHALLENGES &
BARRIERS...



OPERATIONAL FACTORS

FLIGHT PATH FACTORS

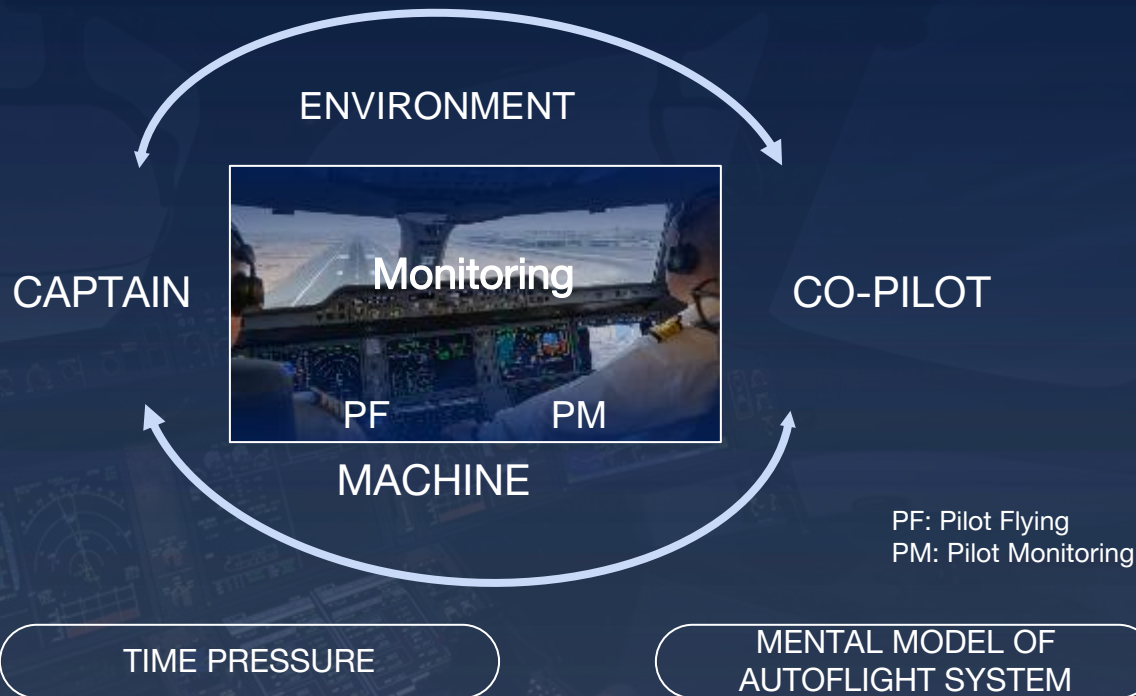
AIRCRAFT SYSTEMS

Challenges & Barriers?

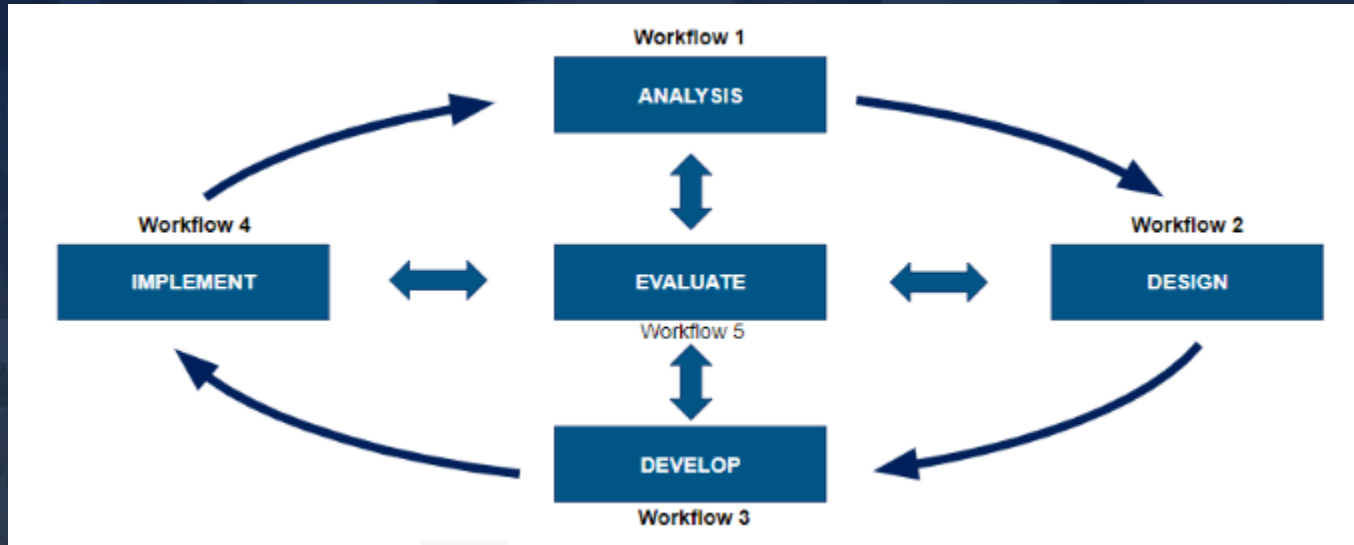
HOW?

WHAT?

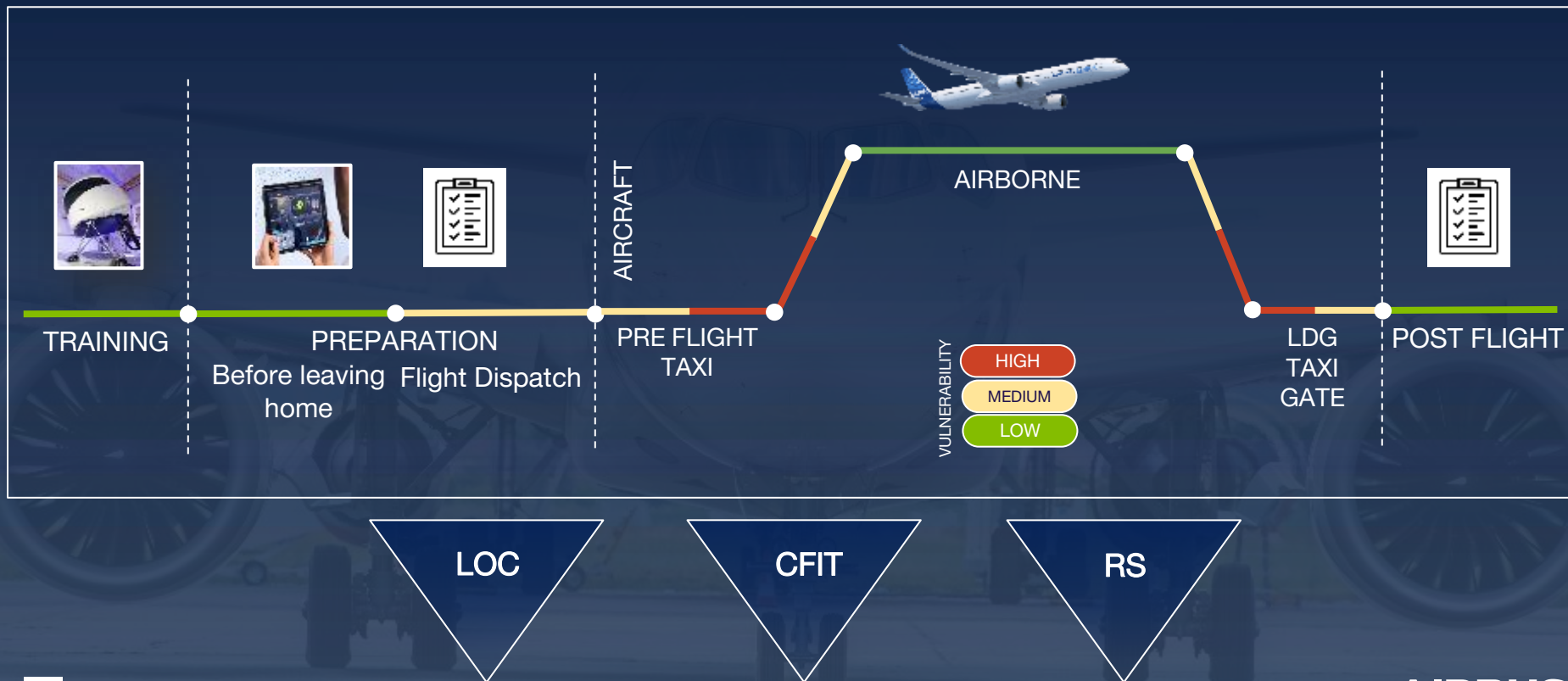
CHALLENGES &
BARRIERS...



ISD - ADDIE Model



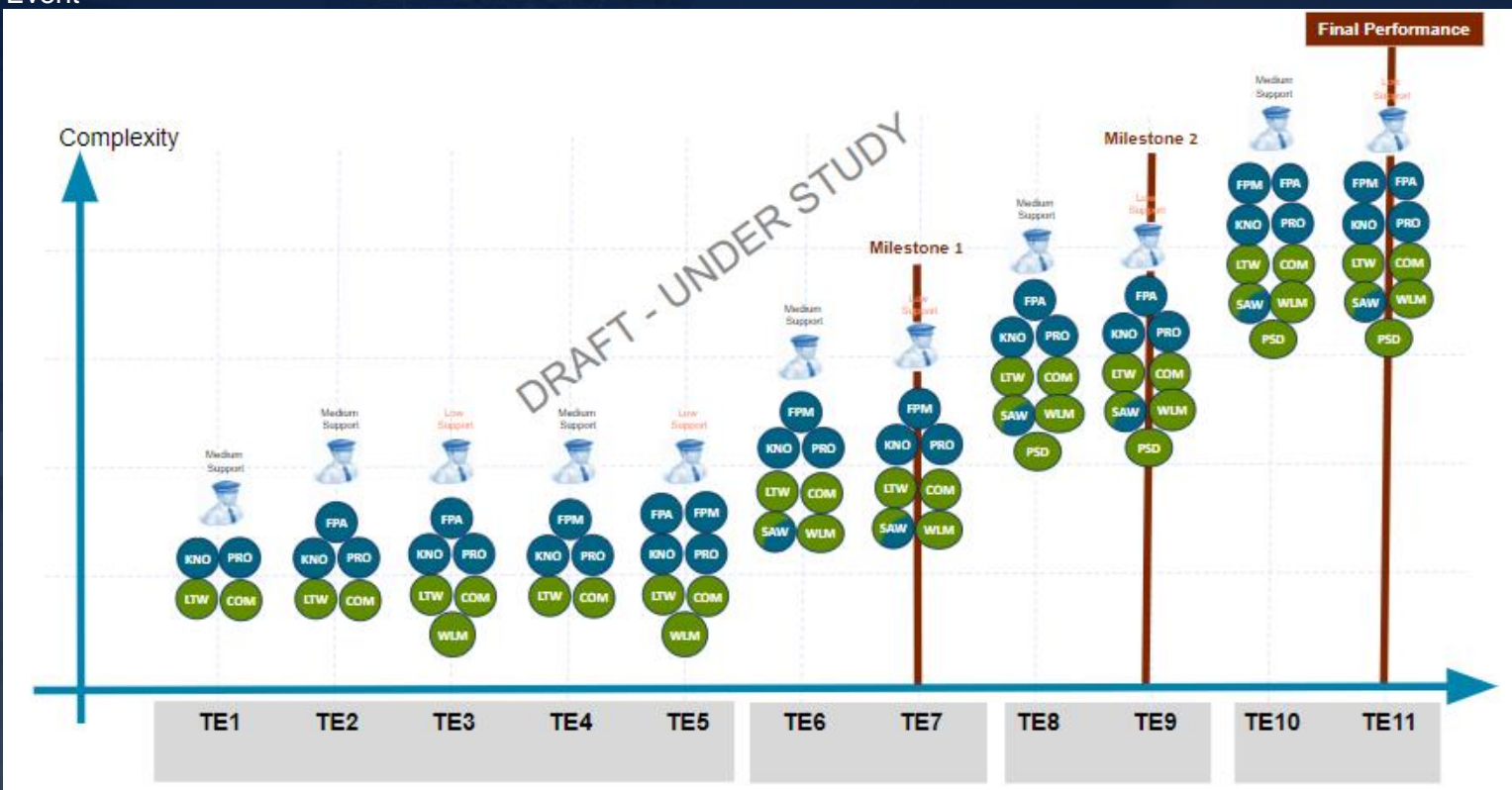
Improve Monitoring performance



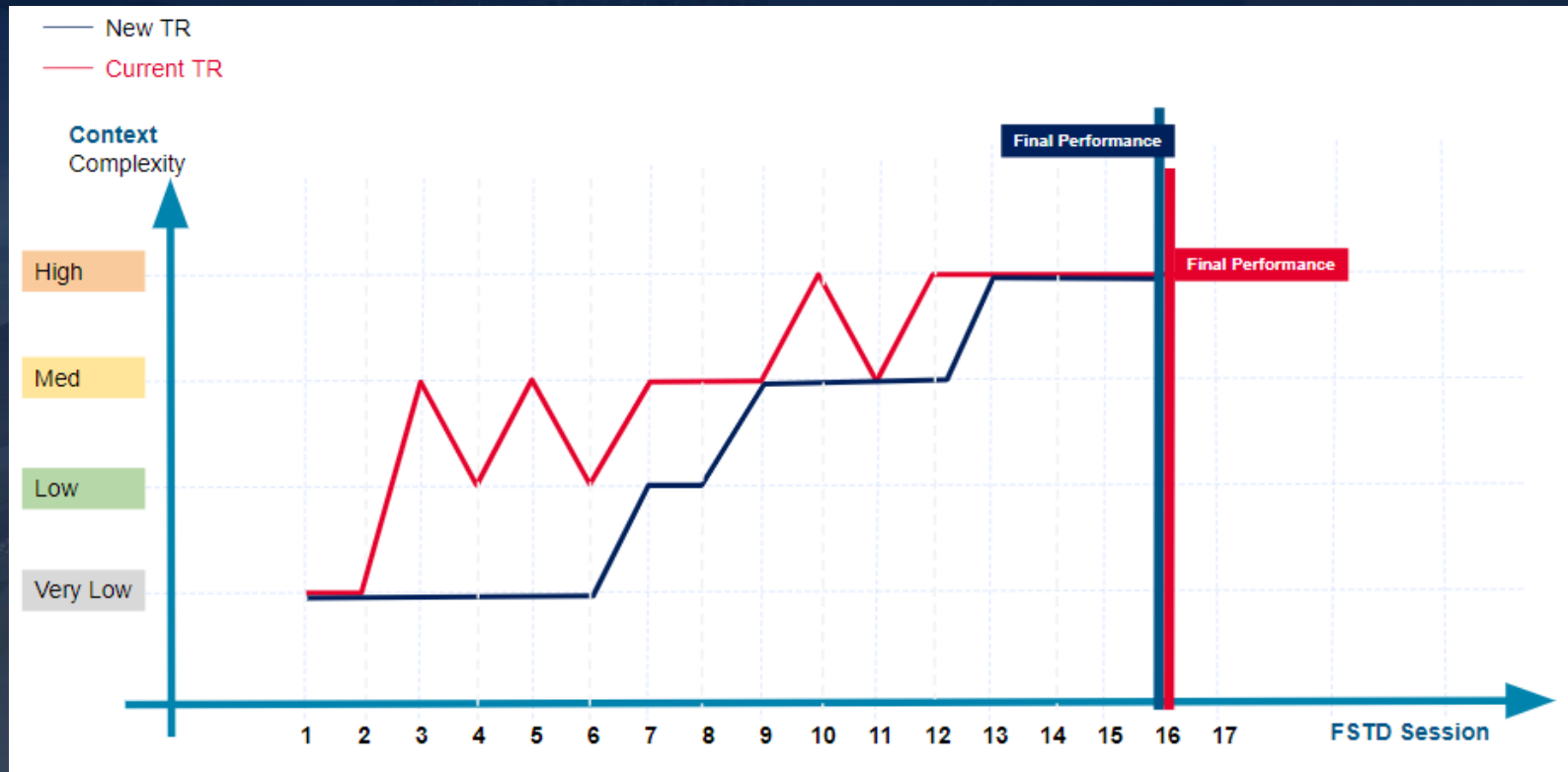
Competency Development: Type Rating

TE Training Event

- Cpy TA-SE
- Cpy TA



Expected Training Progress



Airbus Total System Approach



CBTA
TEM
Monitoring

Competency-Based Training & Assessment
Threat and Error Management

E2E Flight Training CBTA curriculum



Selection

Ab Initio Training

Airbus Modular Training

Ops Training

- Golden rules
- Competency-Based CBTA
- Learning by doing
- Startle effect
- EBT Service



Prepare our Pilots & Next Generation

Comprehension of Monitoring

Monitoring
Training content
evolution



LOOK
UNDERSTAND
TRAIN

Training Philosophy

Training concept
& philosophy
evolution



CBTA

Evolution of Technology

Technological
aircraft
evolutions



Every Aviation Stakeholder's
responsibility to encourage, *reinforce*
& *instill*, the Importance of Monitoring

Thank you

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