



TRAINING THE NEXT GENERATION

Training Behaviours in a contemporary industry

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Making Sense of the Data.



Recruitment – What is right?



> What do we look for in selection?

PERFECTION

RESILIENCE

MOTIVATION

> What do we measure?

> Spotting development opportunities?

> Tracking the training journey?



Reconstructing training upon Analytics & Competencies



Employ the **power of data analytics** to build a pilot's career journey and track their personal development

Identifying **personalised training needs** to support specific competency and career development goals



Using **delivery platforms** in a way that is both effective in learning terms and cost

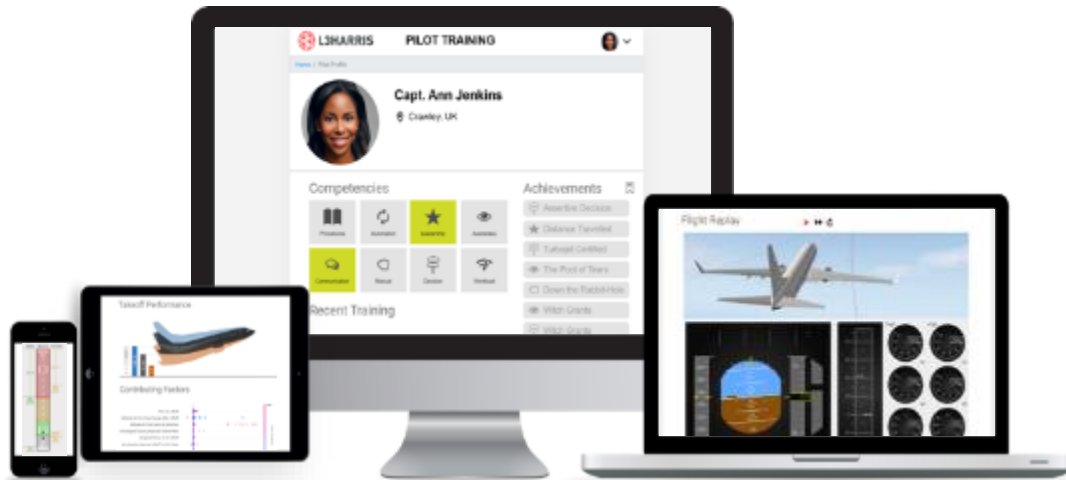


Catering for **individual learning styles** across the pilot population



Implementation of Data Analytics in L3Harris Academies

Data insights raise Trainees' accountability in their professional development and **enable personalised training** delivered on new platforms, **making training more effective and enjoyable.**



Trainees Flying Time

Data is captured
and Benchmarked



Training Applications

Trainees access and review
their data to better understand
their gaps vs peers



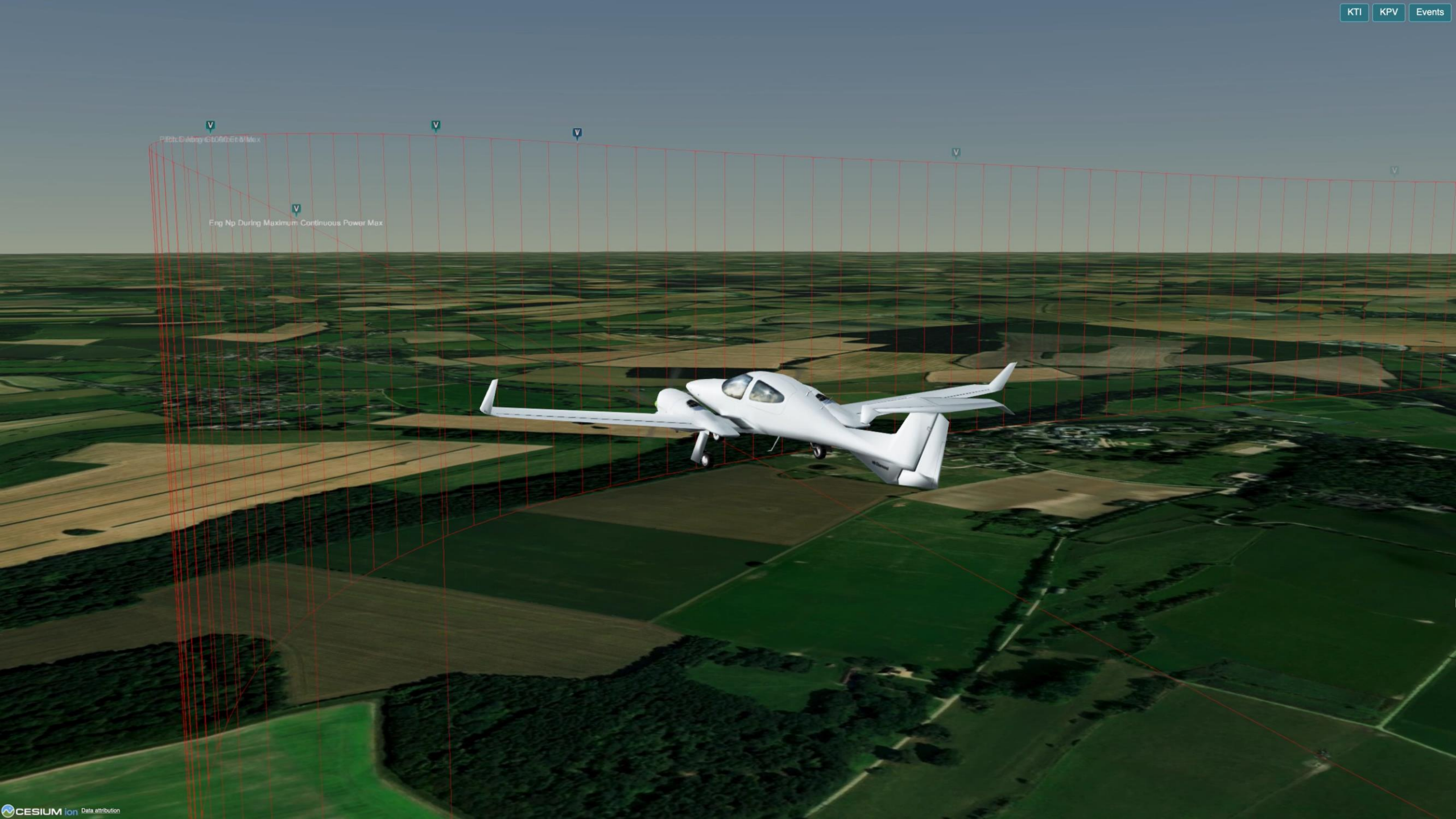
L3Harris Trainees

Employing data to tailor
development solutions that
are owned by the Pilot



Data Analysis

Flight data analysis and
cadet benchmarking



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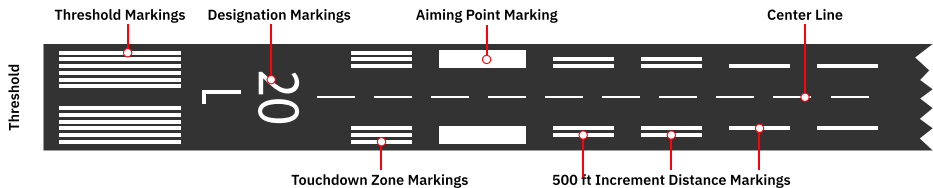
CARA Competency Assessment Recording App



- L3Harris Tool developed to support the Trainee and the instructor
- Deployed across the ATO to create a continuous Competence Based Training Journey
- Linked to Classroom Instructors / Aircraft / FSTDs / Commercial Air Transport
- Continuous Competence development through Performance measured by Data Driven Evidence



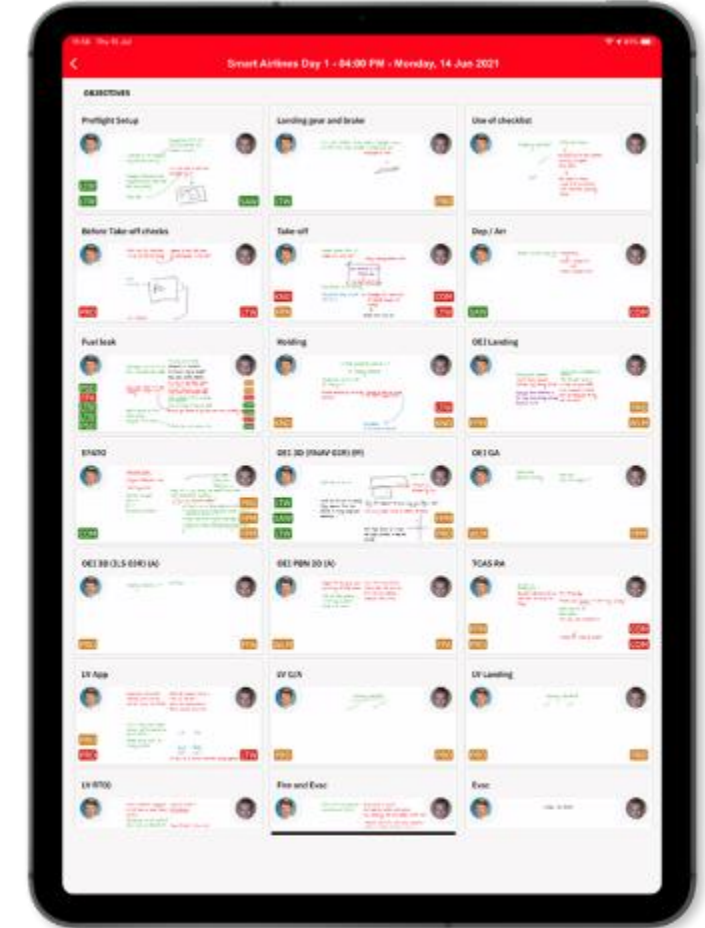
KNO Application of Knowledge	SAW Situation Awareness	PRO Application of Procedures
LTW Leadership and Teamwork	WLM Workload Management	FPM Flight Path Manual control
COM Communication	PSD Problem Solving & Decision Making	FPA Flight Path Automation



CARA



- iPad devices supports CARA App
- Linked to Data Tracking devices throughout the Training Journey
- Instructor in any phase able to record performance directly into the LMS
- Performance reporting is backed up by accurate Data analysed by industry experts
- Linked to the operators LMS for through life career development





The Professional Pilot

01

Selection

02

Theoretical
Knowledge

03

Basic
Training

04

Advanced
Training

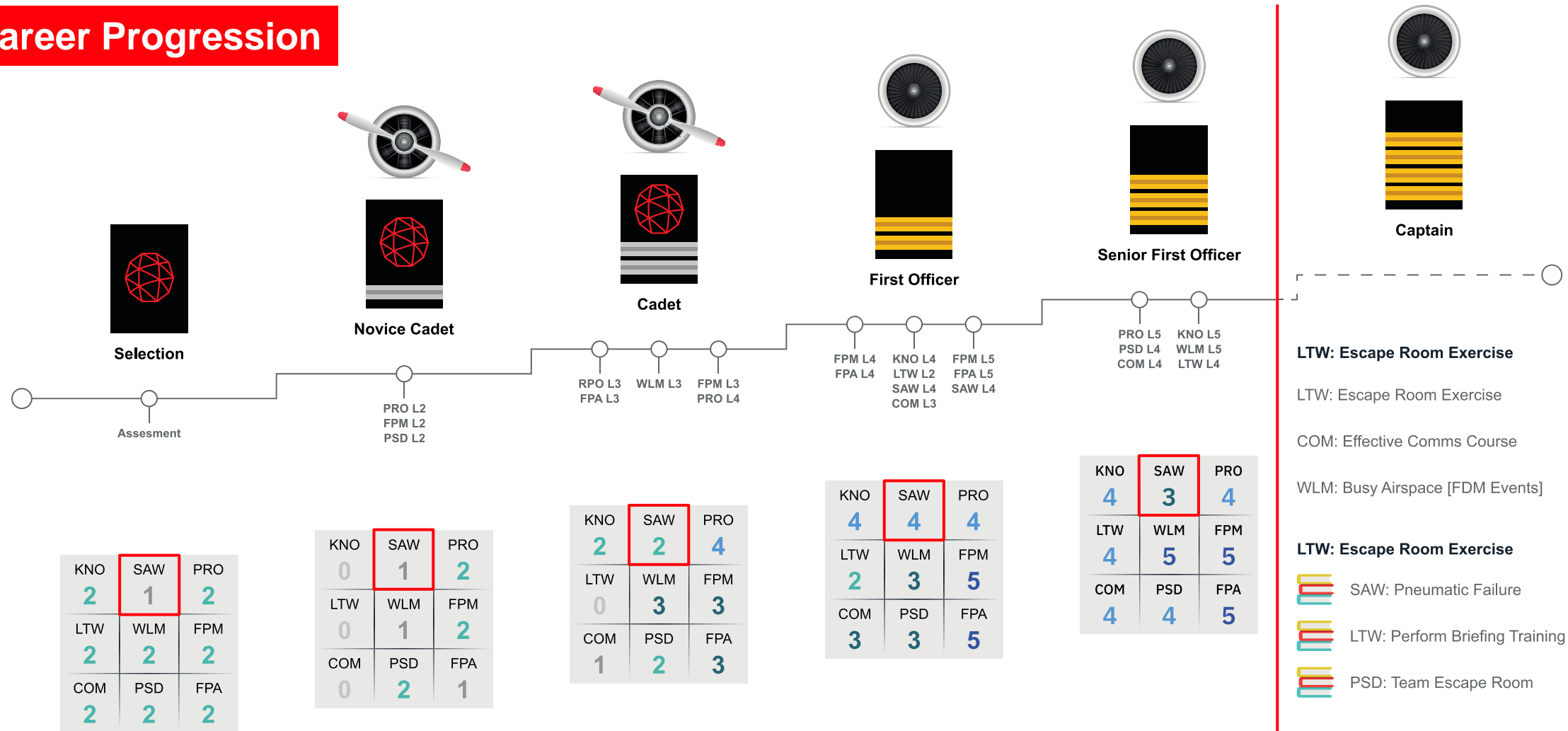
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Career
Development

Support Career Progression from Selection to Recurrent



Career Progression



Full Flight Simulator



KNO	SAW	PRO
LTW	WLM	FPM
COM	PSD	FPA

Flight Training Devices



KNO	SAW	PRO
LTW	WLM	FPM
COM	PSD	FPA

Flat Panel Trainers



KNO	SAW	PRO
LTW	WLM	FPM
COM	PSD	FPA

Virtual Reality



KNO	SAW	PRO
LTW	WLM	FPM
COM	PSD	FPA

Virtual Flight Deck



KNO	SAW	PRO
LTW	WLM	FPM
COM	PSD	FPA

Mobile Learning



KNO	SAW	PRO
LTW	WLM	FPM
COM	PSD	FPA

Eye Tracking & Voice



KNO	SAW	PRO
LTW	WLM	FPM
COM	PSD	FPA

Instructor Lead Classroom



KNO	SAW	PRO
LTW	WLM	FPM
COM	PSD	FPA

Escape Rooms & Decision Training



KNO	SAW	PRO
LTW	WLM	FPM
COM	PSD	FPA

The Professional Instructor



01

Theoretical
Knowledge

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Basic
Training

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Advanced
Training





L3HARRIS

Flight Data Services

**World's largest dedicated provider
of flight data analysis services.**

**Improving aviation safety by connecting the
best analysis service to more flight data
across the world.**



Structure

Avionics

Avionics that deliver total peace-of-mind in any scenario

Airline Solutions

First-class training and systems designed for first-class crews

Airline Academy

Creating tomorrow's pilots, today

Flight Data Services

Improving aviation safety by connecting the best analysis service to more flight data across the world



Industry demand for competent operators



- Fleet Growth is inevitable
- Pilot demand is inescapable
- Industry understanding of CBTA / EBT is Culturally divergent
- Ever increasing pressure for a flexible, (mobile) competent Flight Deck Crews
- Harmonisation of regulations and training requirements should be an industry priority





