



## 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

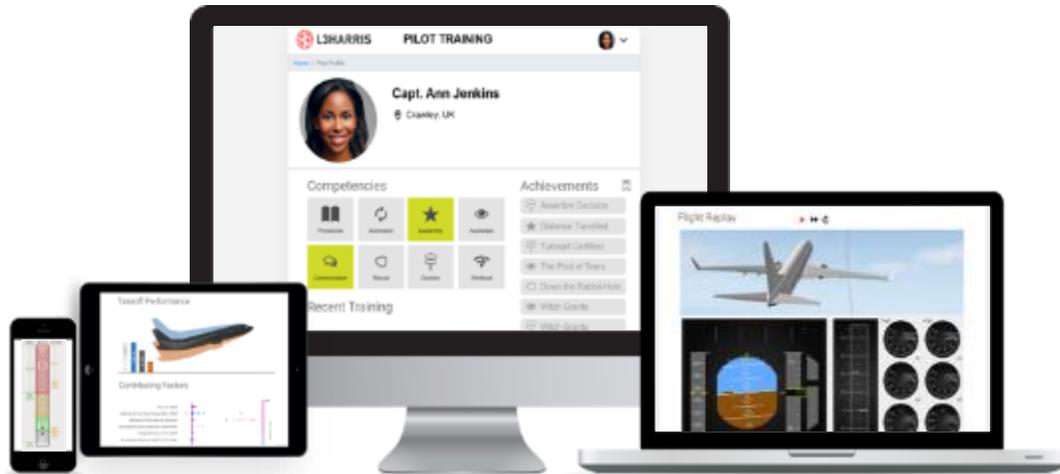


Using **delivery platforms** in a way that is both effective in learning terms and cost

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





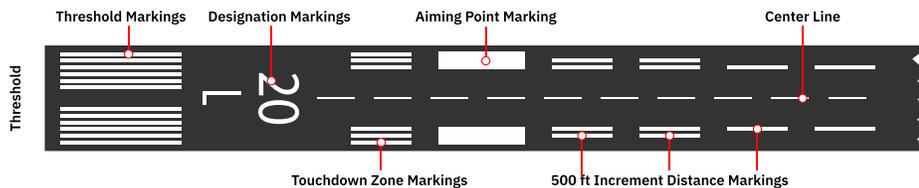
# CARA Competency Assessment Recording App



- 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



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







## The Professional Pilot

01

Selection

02

Theoretical  
Knowledge

03

Basic  
Training

04

Advanced  
Training

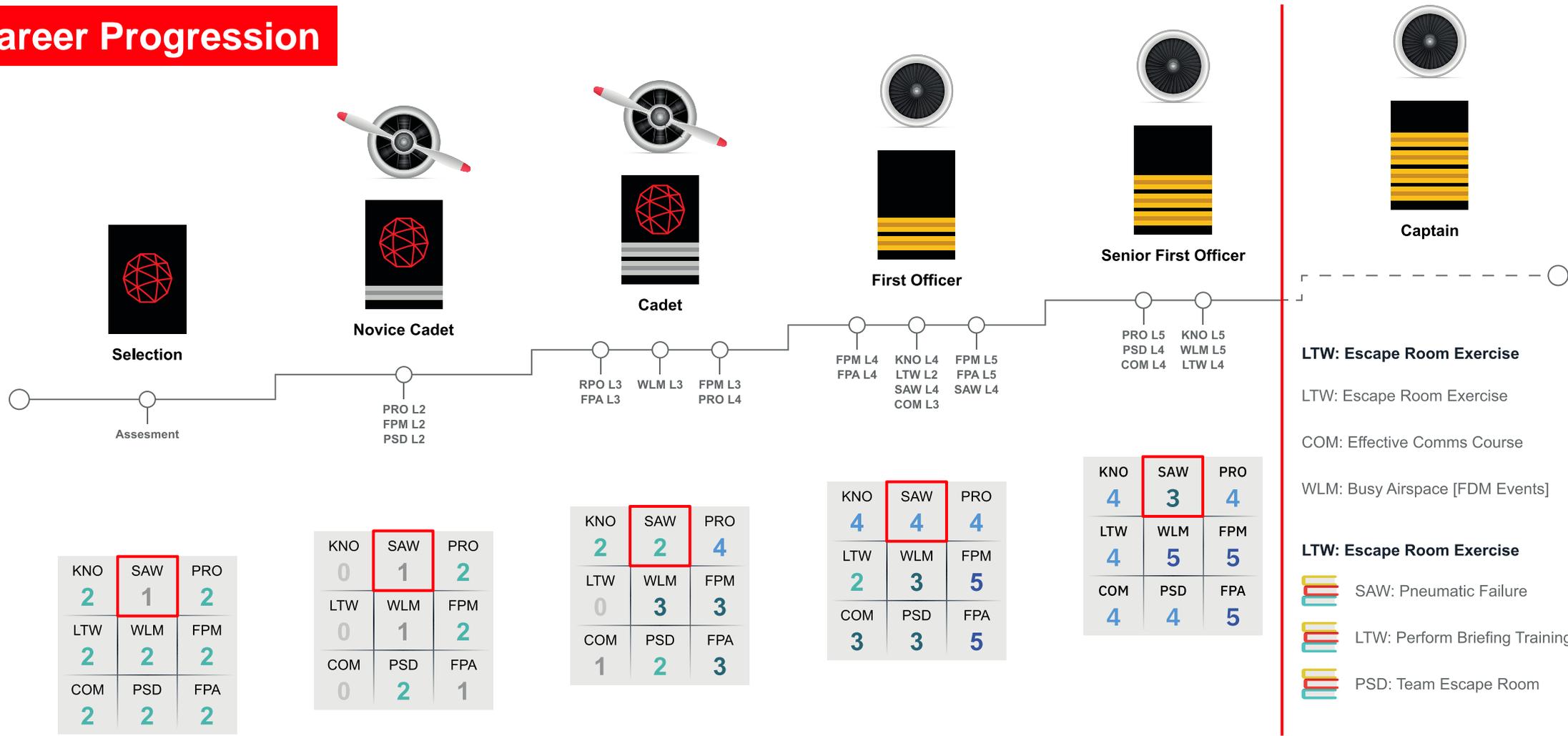
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Career  
Development

# 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

02

Basic  
Training

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Training

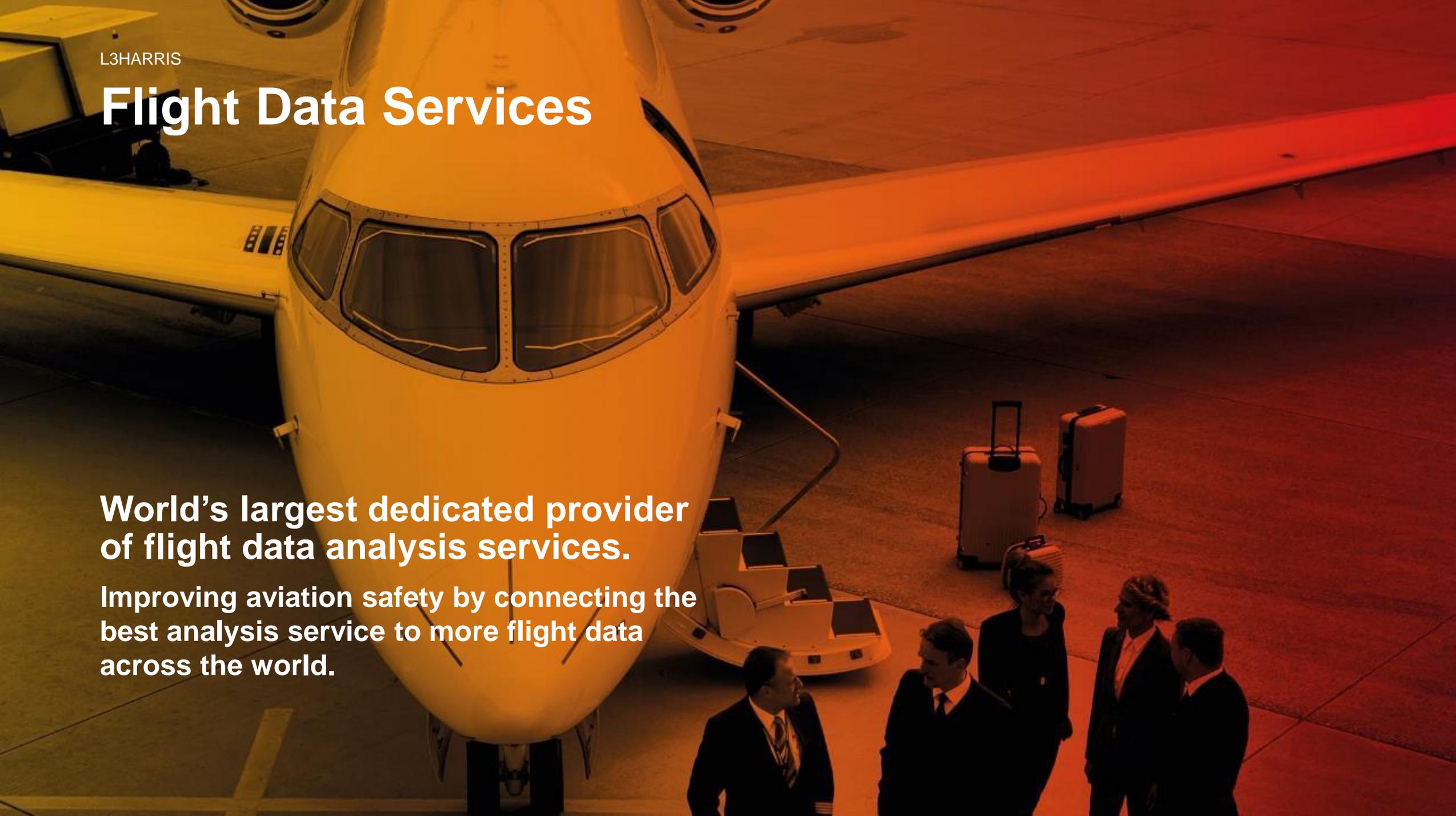


L3HARRIS

# 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



