


# FROM AQP TO xAPI: A new vision for learning

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**WORLD AVIATION TRAINING SUMMIT**

- 
- Threat & Error Management Class
  - Adult CPR MSV
  - Security Class

- Evacuations LOE
- Fire eLearning
- Briefing Practice

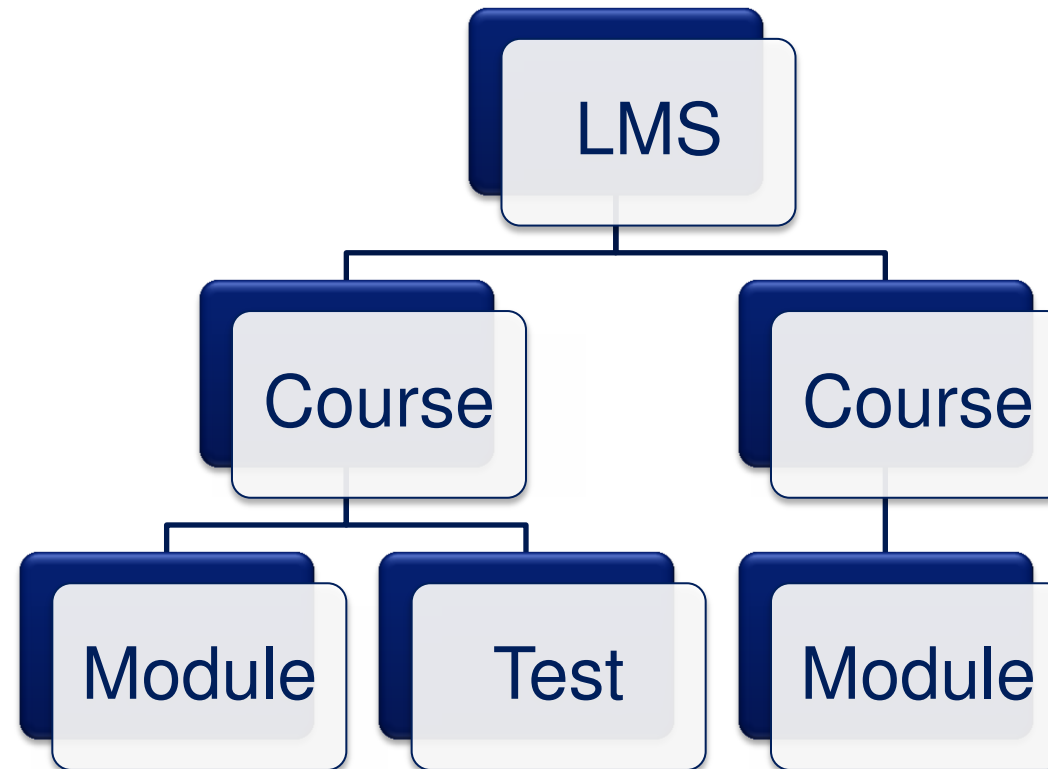
- A321 Door Drills
- Customers with Disabilities eLearning

- Threat & Error Management Class
- Fire MSV
- Security Class

- Threat & Error Management Class
- Security Class
- Extended Envelope MSV

# Traditional learning tech

LMS with SCORM modules



We decide what they need

# What is xAPI?

An open source **A**pplication **P**rogramming **I**nterface about learner experiences

Learning happens everywhere... so track it!

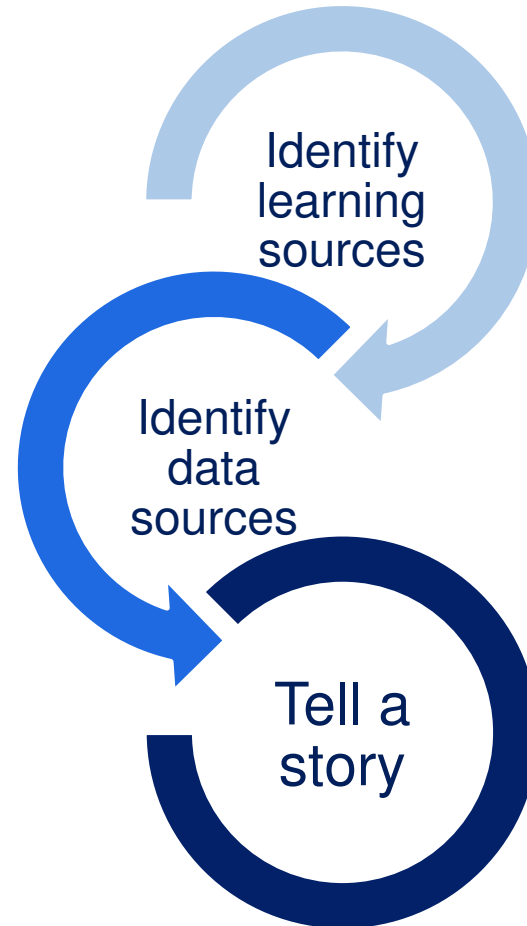


Who	Did What	Result	Context
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> FO12567	<input type="checkbox"/> LOE 3	<input type="checkbox"/> Satisfactory – 4	<input type="checkbox"/> First Attempt
<input type="checkbox"/> FA09812	<input type="checkbox"/> Video 1	<input type="checkbox"/> Satisfactory - Complete	<input type="checkbox"/> Watched 3x

They decide what they need  
We make meaning from it

# How to move toward xAPI

The extremely simple version



# Identifying learning resources

## Baby steps:

- Open-access content library
- Manuals
- Schoolhouse videos

## Moving forward:

- Tracked real-life events (& debriefs)
- Industry videos
- Coaching conversations





How can AQP help?



# What is AQP?

## Advanced Qualification Program

### Common Definitions

- Another acronym to learn
- Alternative to traditional training regulation
- Planned time instead of programmed time
- Customized airline training

### What it REALLY is

- Instructional Design (JTA, objectives)
- A way to prove equivalent learning through data

# Case study

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## QT Decompression

### Clues:

- Very low performance on Decompression MSV
- Very low performance on Decompression portion of final evaluation (EME)
- Consistently low data over extended time

### Analysis:

Data people consulted with College of Inflight and Learning Design

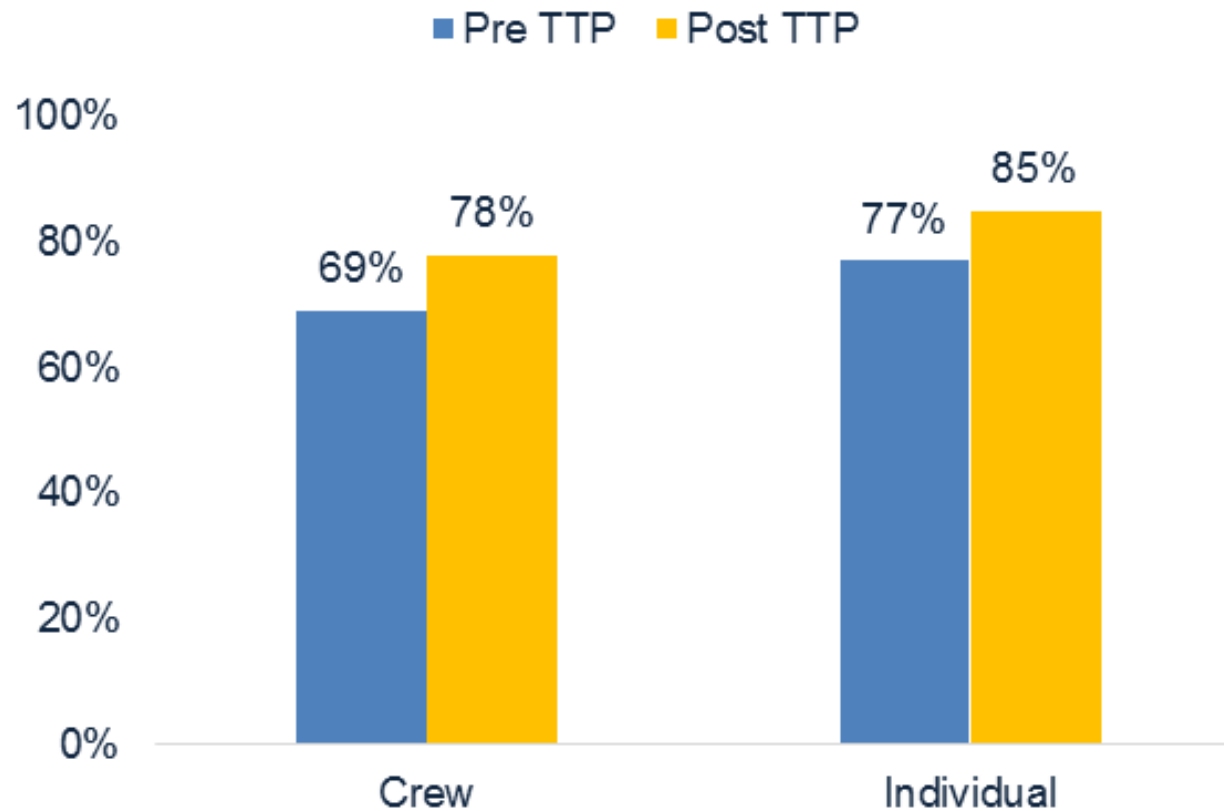
### Solution:

New train-to-proficiency lab (TTP) that accounts for crew-based training with just-in-time feedback & repeated practice

# Decompression MSV to TTP

Statistically significant positive change!

## Decompression Pass Rates



# Case study 2

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## QT Planned Evacuations

### **Clue:**

Down-trending performance on Cabin Prep portion of final evaluation

### **Analysis:**

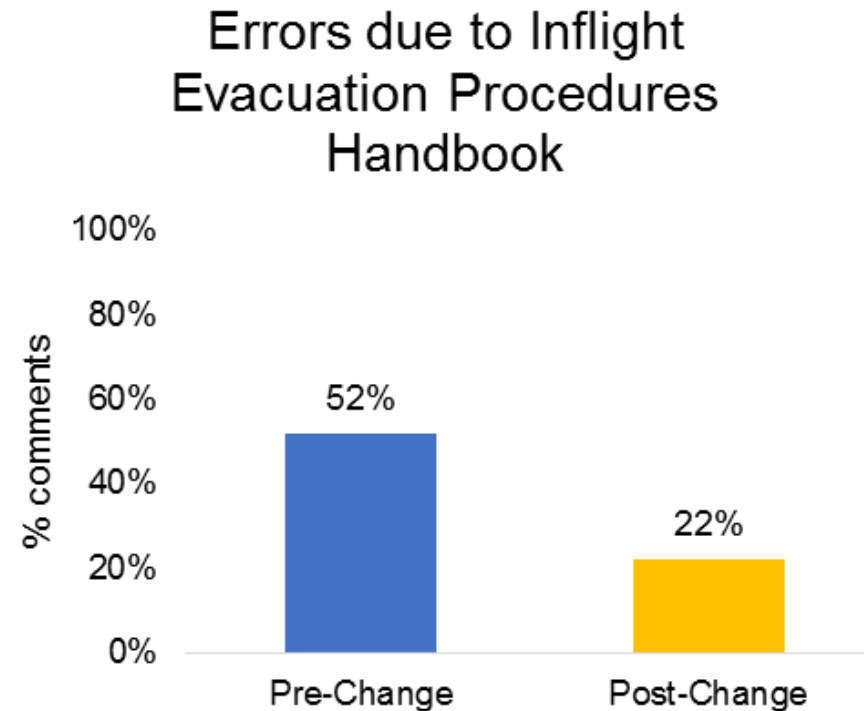
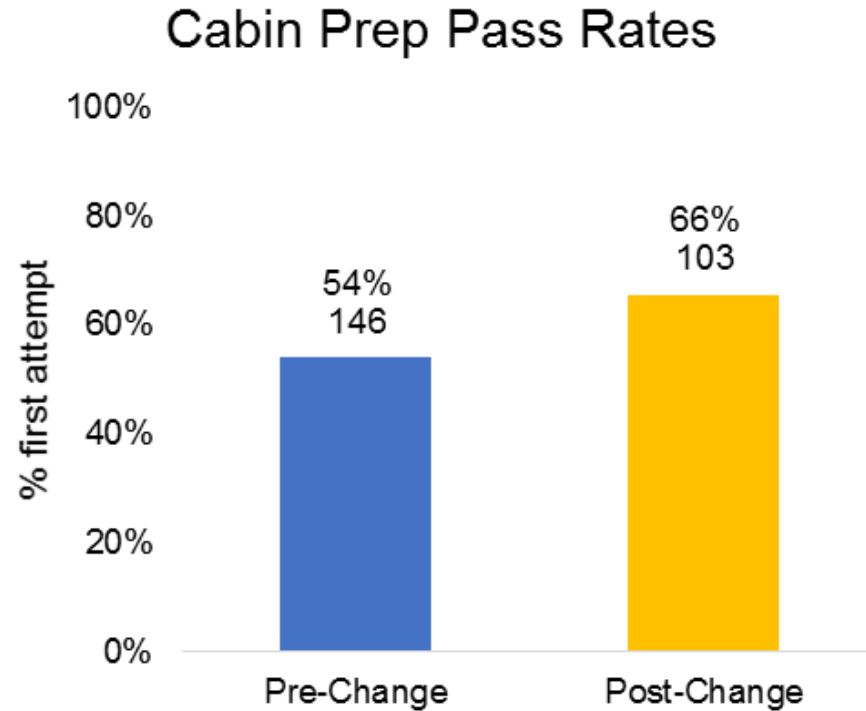
- Task level data didn't offer clues as to "why"
- High frequency of terms like "hot mess" in colloquial feedback
- e-Learning didn't clarify the confusing

### **Solution:**

Replaced e-Learning with interactive study guide and job aid

# Case Study 2

Wee! Another statistically significant positive change!



What more could we do in the future  
with xAPI?

# xAPI case study



**Problem:** An increase in blown slides

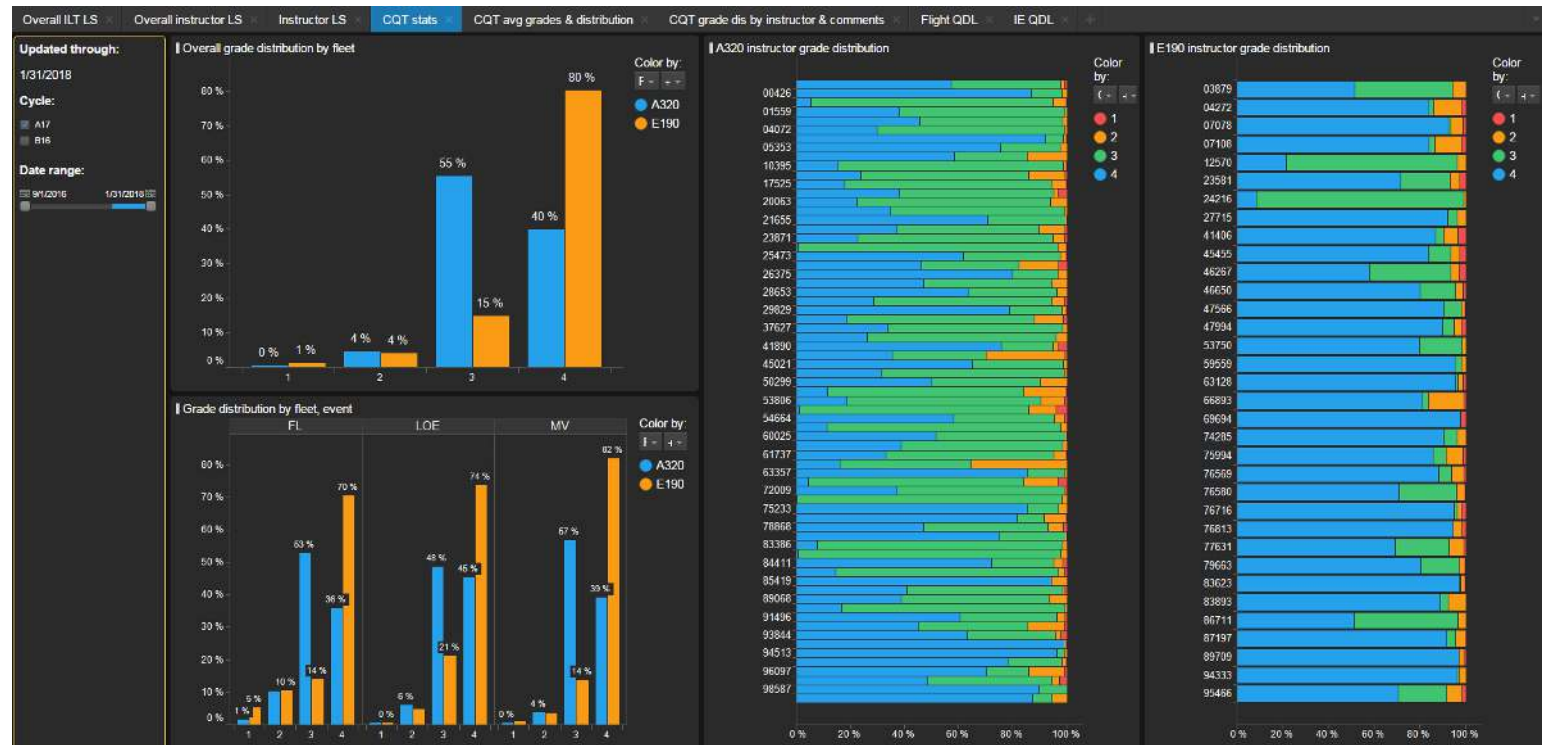
**Analysis:**

- Training curriculum & performance hasn't changed
- Safety reports identify few common variables
- A significant percentage of CMs involved completed training video too quickly

**Solution:** Set minimum required time on training video & validate with quiz

# Telling the story

- Learning Records System (LRS)
- Data analysts
- Dashboards





# Key takeaway: Learning tech follows lifestyle tech



