Provides Critical Insight into Student Performance

FlightSmart, developed in conjunction with IBM, is FlightSafety’s fully integrated training program designed to create a new industry standard for personalized training plans that employs Artificial Intelligence and Machine Learning methodologies. FlightSmart gives instructors objective measures to evaluate and improve student performance. It leverages the data-rich training environment and utilizes advanced analytics to autonomously provide meaningful individualized insights.

Enhances the Training Process

FlightSmart allows remediation and training plan adaptation. A complete assessment of the training environment supports effective adaptive learning and program refinement. Empowered with these sophisticated insights, instructors serve as learning managers.

How FlightSmart Works

- Objective measurement of training tasks, competencies and standard operating procedures
- Automatic identification of training tasks results in reduced instructor burden
- Measures pilot’s aircraft control scientifically, evaluating performance against a gold-standard baseline
- Machine Learning-based root cause analysis of performance generates student-specific performance remediation
- AI and advanced analytics predict student’s future performance and success, levels of mastery and adaptive learning results
- Native AI and adaptive learning algorithms evaluate data from the entire training ecosystem to provide more robust results and complete adaptive learning capabilities
Features and Attributes

• Delivers objective and intelligent assessment of pilot performance throughout the training environment

• Partnered with IBM, the leader in AI and global scalability with enterprise AI solutions.

• Reduces student time to task mastery and increases course throughput, helping ease pilot shortage

• Allows personalized training paths, as opposed to a rigid, one-size-fits-all syllabus

• Enables instructors to become learning managers, empowered with real time insights

• Provides insights into student performance drivers not otherwise available to the instructor

• Functions in real-time and is integrated across all levels and media of training

• Accommodates government and commercial cloud and on-premises implementations

• Has varying levels of student or population identification to meet Customers’ need

• Supports adaptive learning, competency-based training and assessment (CBTA), and evidence-based training (EBT)

• Presents pilot and population-level insights into their successes and struggles over time

• Identifies gaps and trends in individual student or population performance, leading to improvements in training curriculum

• Serves as the bedrock for standardized flight training

Additional Benefits

• Instructors are able to provide the pilots with tangible, individual-specific feedback and corrections

• Promotes instructor standardization through objective evaluation of student performance

• Adaptive curriculum yields
  – Higher proficiency level pilots within each phase of training
  – Reduced training cycle time and attrition, saving time and money

• Enhances organizational training efficiency

• Reduces student attrition and additional training requirements through early recognition and intervention