

The National AeroSpace Training And Research Center



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PILOT SELECTION SYSTEM

NASTAR Center's Pilot Selection System is an integrated pilot screening and evaluation tool used to determine a candidate's aptitude, skills, and performance in various flight environment conditions.

The system includes computer-based training stations and a three-axes, motion-based flight training device (FTD). Pilots are tested on their psychomotor skills, coordination, and conscious attention management (including reaction time, comprehension, attention, perception, and audio and visual memory) within a dynamic flight environment.



PILOT SELECTION SYSTEM



APPLICATIONS

- Cross control ability
- Perceptual depth
- Pattern recognition
- Tracking and response time
- Suitability for pilot selection & evaluation
- Time sharing
- Perceptual speed ability
- Kinesthetic memory

SPECIFICATIONS

- Individual desktop computer stations
- Computerized grading & scoring system
- Secure data collection and storage
- 3-axes motion based simulator
- Generic configuration and operational controls
- Cockpit instrumentation
- Closed Circuit Television (CCTV) video capture & recording

VALUES

- Time and cost savings by reducing candidate 'wash out' earlier in the selection process
- Incorporates actual FTD motion based simulator for a more accurate selection method
- Curriculum is adaptable to individual program goals
- Ability for skill practice in motion-based flight simulator before entering actual aircraft
- Can be used for military, civilian, or space pilot evaluation