# ATP
## Innovations in Testing
### 2013
#### Ft. Lauderdale, Florida

# Protecting the Integrity and Security of Your Credential Program

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# Credential Program 1

- Test available to everyone

- On demand administration

- Immediate score report

  - Automatic award

- Six month hea...

- Annual Update...

**Feedback**
- Stakeholders like convenience
- Greater respect for earlier awards
- Award viewed with skepticism
- Confused why value is decreasing

- Test available to everyone

- On demand administration

- Immediate score report

  - Automatic award

- Monthly secur

- Six month hea

- Periodic updat

**Feedback**
- Stakeholders like convenience
- Greater respect for earlier awards
- Award viewed with skepticism
- Confused why value is decreasing

- Test available to eligible candidates

- Windowed administration

- Delayed score report (6 weeks)

- Security report each window

- Pilot items eac

- Item selection

- Periodic major

## Feedback
- Stakeholders complain about limited windows and lag in reporting
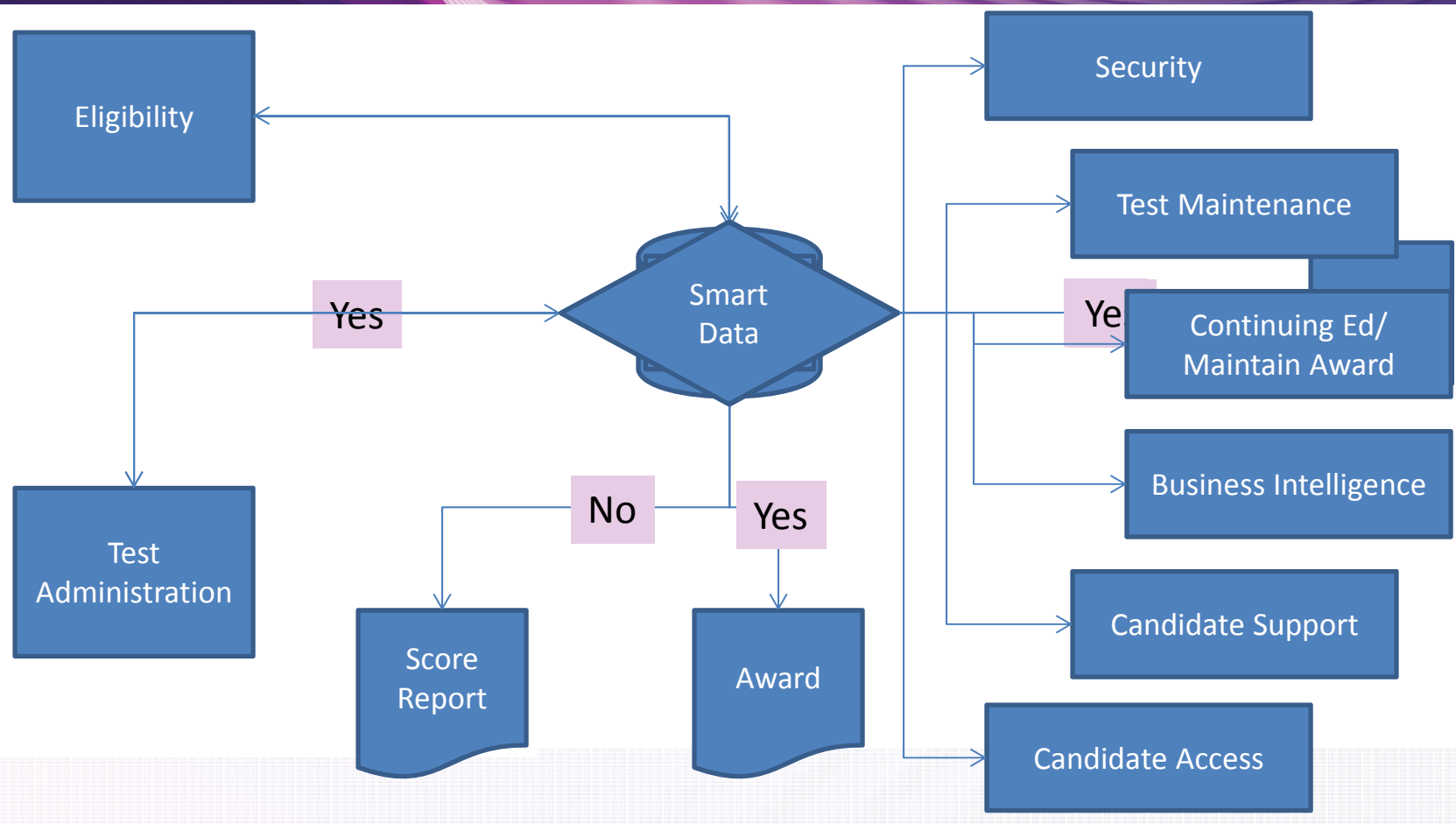- No credit for maintaining value

- Test available to eligible candidates
- On demand administration
- Near real-time score report (48- 72 hours)
  - Automatic award
- Pilot items in ev...
- Data repository
  - Daily security r...
  - Daily health m...
- Periodic update...

## Feedback
- Stakeholders like convenience
- No credit for maintaining value

# Security Baker's ½ Dozen

- Candidate eligibility
- Protecting your IP
- Candidate flagging criteria
- Differential performance flagging criteria
- Alignment of pilot testing and forms maintenance
- Alignment of forms maintenance and retake policy
- Candidate Education

# Candidate Eligibility

## Initial requirement

- ▲ **Required: All**
  - ▲ **Required: 1**
    - ☐ [680-411] IT Education Core Competencies
  - ▲ **Required: 1**
    - ☐ IT Education Program Agreement
  - ▲ **Required: 25**
    - ❏ IT Education Program Base Maintenance Fee - $25
    - ❏ IT Education Program CE Maintenance Surcharge - $100
    - ❏ IT Education Program Fee - CE Upgrade - $75

## Eligibility Status

| Exam Name | Status | Eligibility ID Number | Earliest test date | Testing ends on | Register to test |
|---|---|---|---|---|---|
| IT Education Core Competencies | Active | 002819810 | 02-25-2011 | 03-28-2016 | Schedule exam |
| Robust TCP/IP Network Systems Architecture | Active | 002819814 | 02-25-2011 | 03-28-2016 | Schedule exam |
| Scholastic Learning Systems Architecture | Active | 002742379 | 01-19-2011 | 03-28-2016 | Schedule exam |
| Instructional Development | Used | | | | |
| Marketing 101 | Used | 038395475 | 03-24-2011 | 06-01-2079 | Schedule exam |
| Functional Languages | Active | 002819813 | 02-25-2011 | 03-28-2016 | Schedule exam |
| Object Oriented Programming | Used | | | | |

# Protecting your IP

- Candidate agreements

- SME/Committee member agreements

- Document security

- Data security

# Protecting your IP

- **Centralized Scoring**
  - Keys stored in one, central location
  - Security checking prior to awarding grade/credential
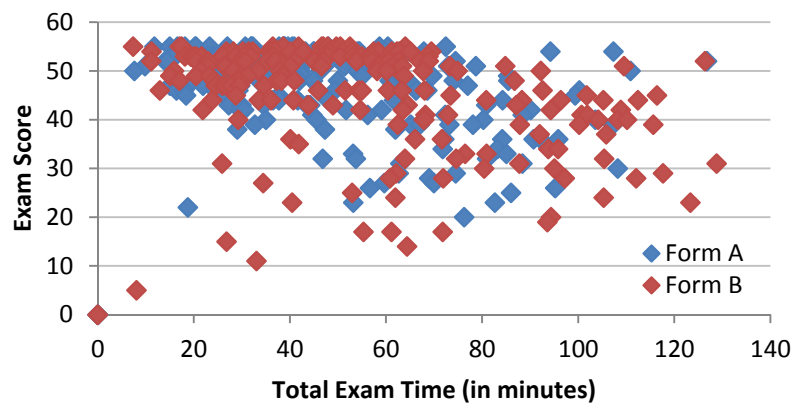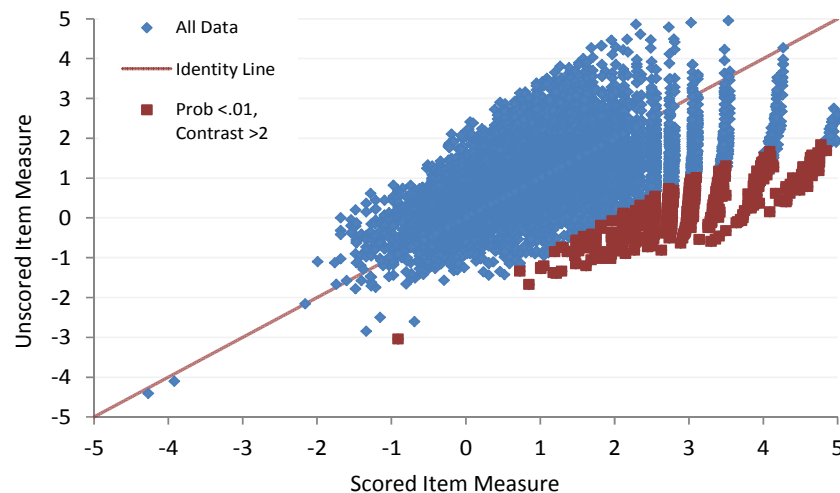  - Customized score reports

Microsoft Word
Document

Microsoft Word
Document

**Total Exam Time by Exam Score**

**Differential Person Functioning**
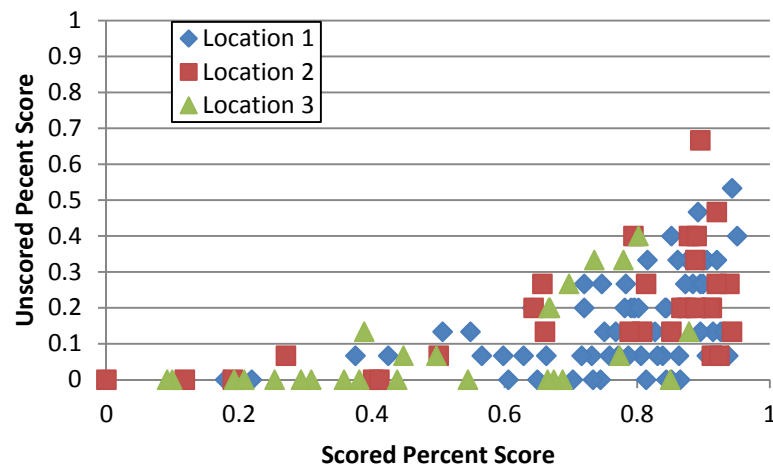
- Automated Security Monitoring

# Differential Performance Flagging Criteria
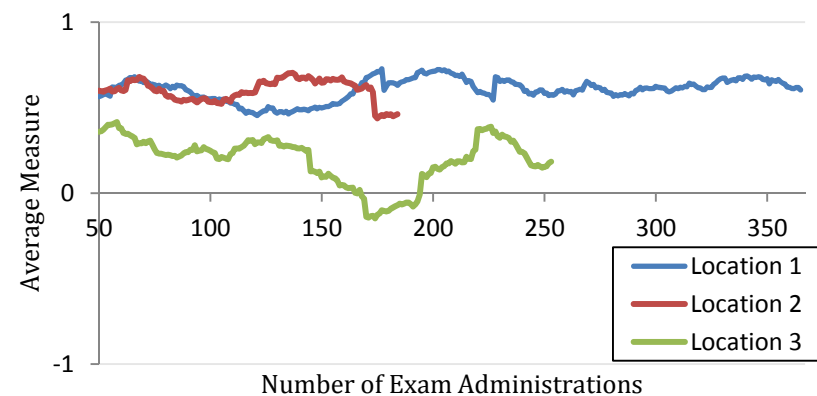
# Differential Performance Flagging Criteria
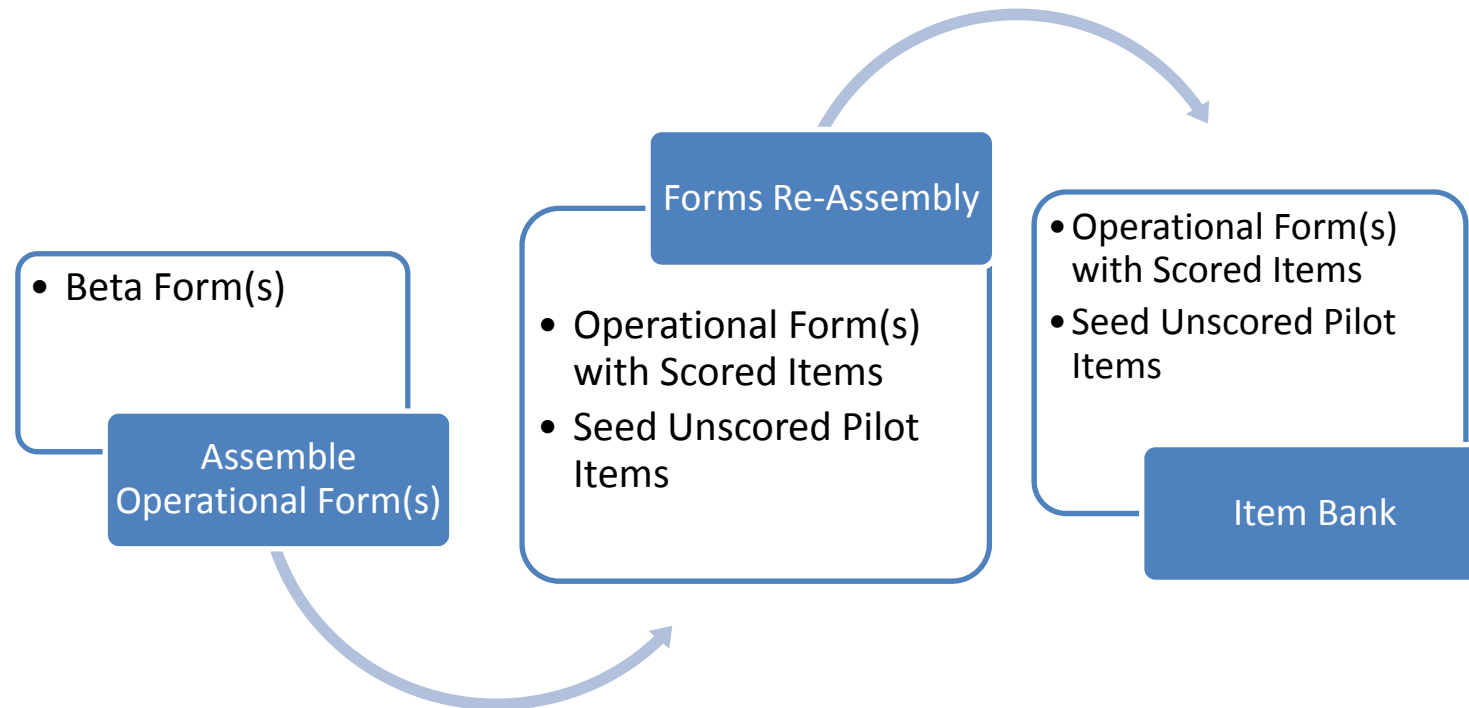
**New Subscription**

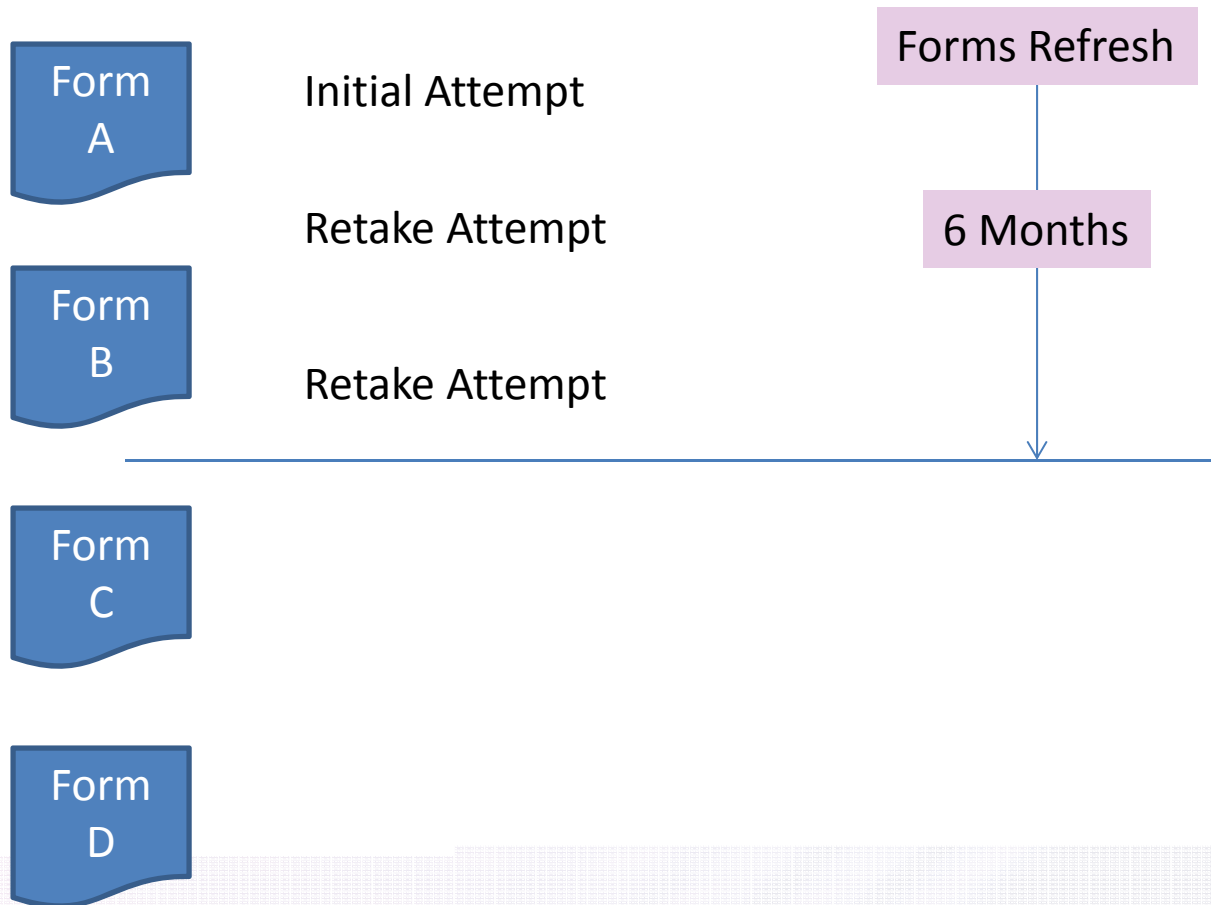| Exam | All | Date Range | Specify date range |
|---|---|---|---|
| Start Date | 2/4/2000 | End Date | 2/4/2013 1:04:51 PM |
| Region | All | Country | All |
| Minimum Exam Count | 30 | Flag % change above/below | 85 |
| Language | All | | |

| 680-801 | | | | | |
|---|---|---|---|---|---|
| | 97.368% | | Huawang Computer Training Center (200050373) | 37 | 1 |
| | 96.97% | | Wuhan Yosky Techinical Training Center (49720) | 32 | 1 |
| | 96.154% | | Sun Marss Technologies (50045) | 50 | 2 |
| | 94.34% | | Cyberprism (46869) | 50 | 3 |
| | 93.548% | | Sansbound Solutions Pvt. Ltd (52870) | 29 | 2 |
| | 92.105% | | Zoom Technologies (India) (48222) | 35 | 3 |

- Beta Form(s)

Assemble Operational Form(s)

Forms Re-Assembly

- Operational Form(s) with Scored Items
- Seed Unscored Pilot Items

- Operational Form(s) with Scored Items
- Seed Unscored Pilot Items

Item Bank

# Alignment of Forms Maintenance and Retake Policy

Form A

Initial Attempt

Forms Refresh

Retake Attempt

6 Months

Form B

Retake Attempt

Form C

Form D

# Candidate Education

- Candidates are your friends!
- Value proposition of program
- Self policing

# Conclusion

- Proactive consideration of security throughout the test development process increases validity of candidate decisions and the testing program

- Data repository enables diversified approach to exam security - timely candidate detection and enforcement, routine tracking and exam maintenance over time, and in-depth analyses to address specific concerns

- Probablistic-based methods for detection of suspect candidates enhance defensibility of actions and enforcement