



ICAEA Test Design Guidelines

Session 9

Criterion 8:

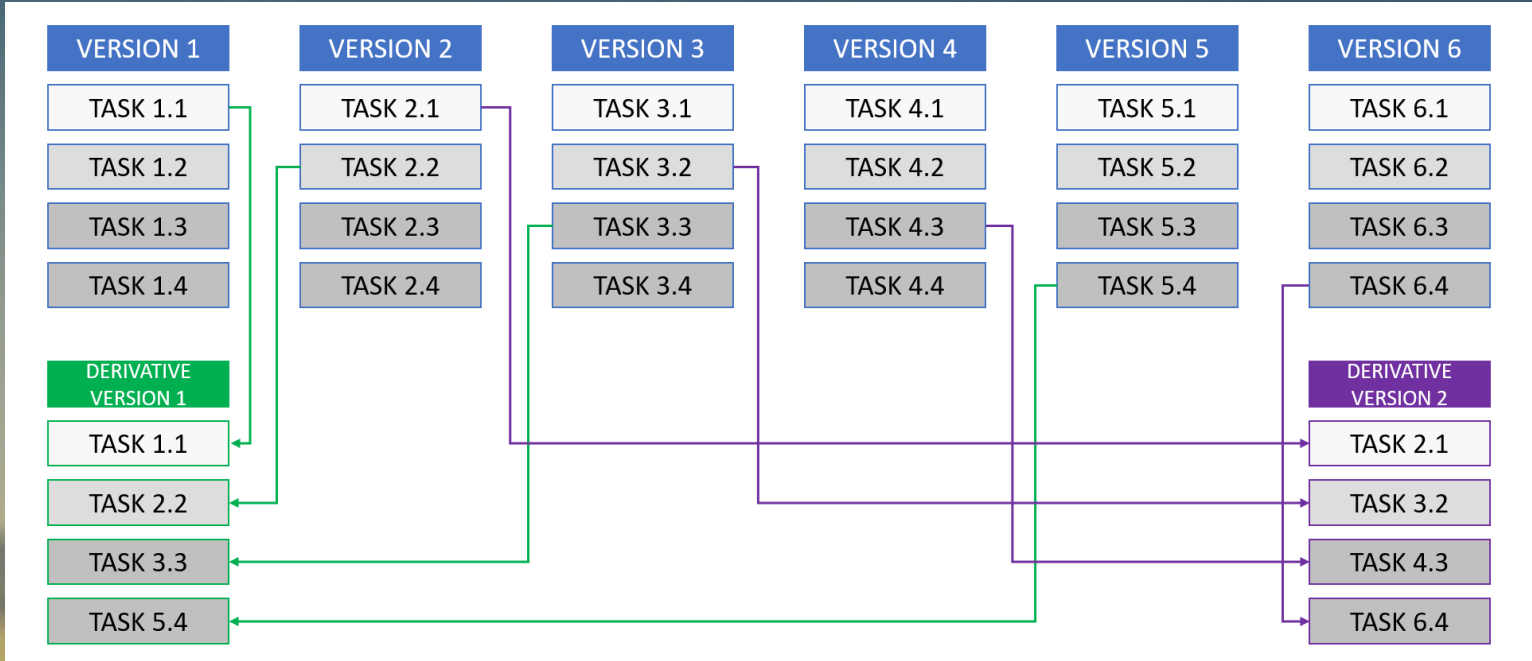
Test banks need to comprise a sufficient number of equivalent versions, with each version of the test representing the test instrument in the same way.

Warm up

1. How many pilots are there in your state?
2. How many ATCOs are there in your state?
3. How often is testing conducted (e.g. every day for two months, every three years)?
4. How many licences need renewing for LPRs every year?
5. How many testing locations are there in your state?

Discussion

1. Why is it necessary for test banks to comprise a sufficient number of equivalent versions?
2. What does it mean when we say each version of the test needs to represent the test instrument in the same way?
3. Why is it important that each version represents the test instrument in the same way?
4. Discuss the issue with only one test version being available. What happens during one testing period?
5. The following testing period?
6. How can this be prevented?



Criterion 8: Checklist

- Is a test bank available to ensure the test remains secure so the results are valid?
- Does the test bank contain enough versions for the population of pilots who need to be assessed?
- Does the test bank contain enough versions for the population of air traffic controllers who need to be assessed?
- Does each version of the test represent the test instrument in the same way (are all the test versions equivalent – assessing the same skills and be of equal difficulty)?