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ESOL Examinations

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The Implementation of a **VRIP-Q** framework for language testing

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A framework for

Validity

Reliability

Positive **I**mpact

Practicality

Within a **Q**uality Management framework

in large-scale international language testing

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The context

Evidence of language ability is being used increasingly as one of the key criteria for life-changing decisions, such as immigration, education and employment.

= High stakes and high responsibility

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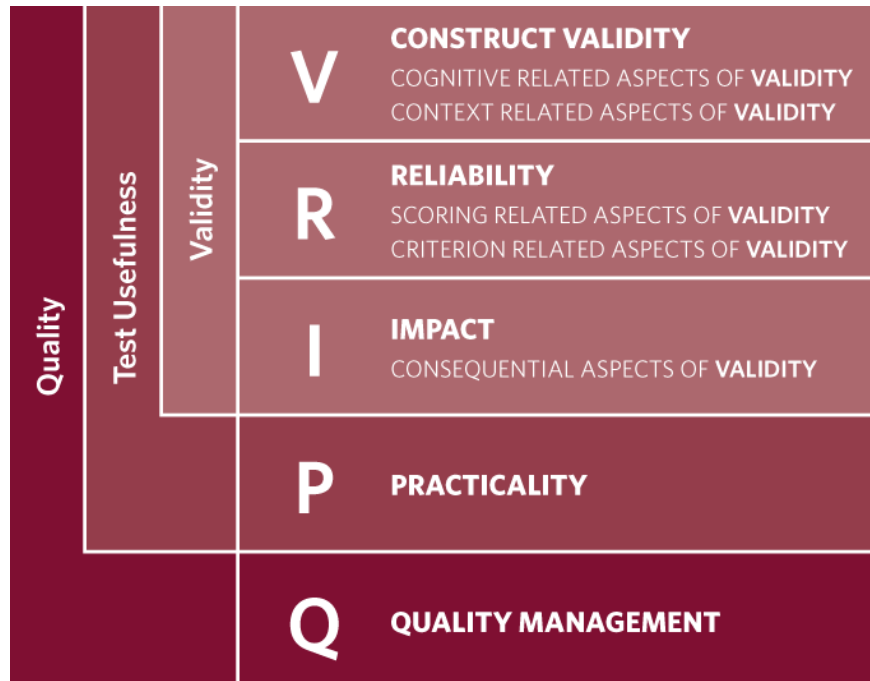
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International language tests need to be:

- **fair**
- **accurate**
- **valid**
- **underpinned by research**
- **underpinned by robust organisational procedures**

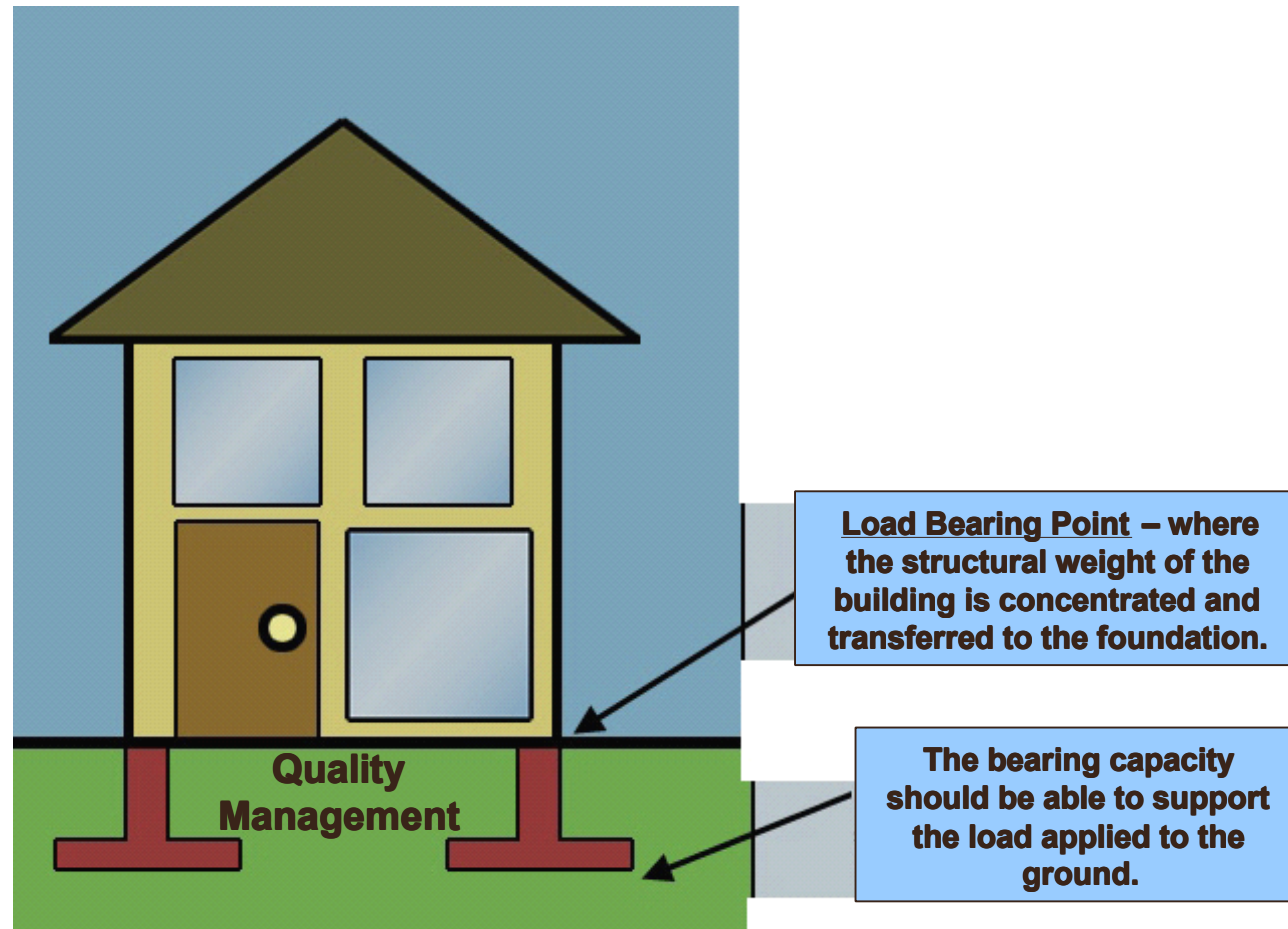


The development of a **VRIPQ** framework



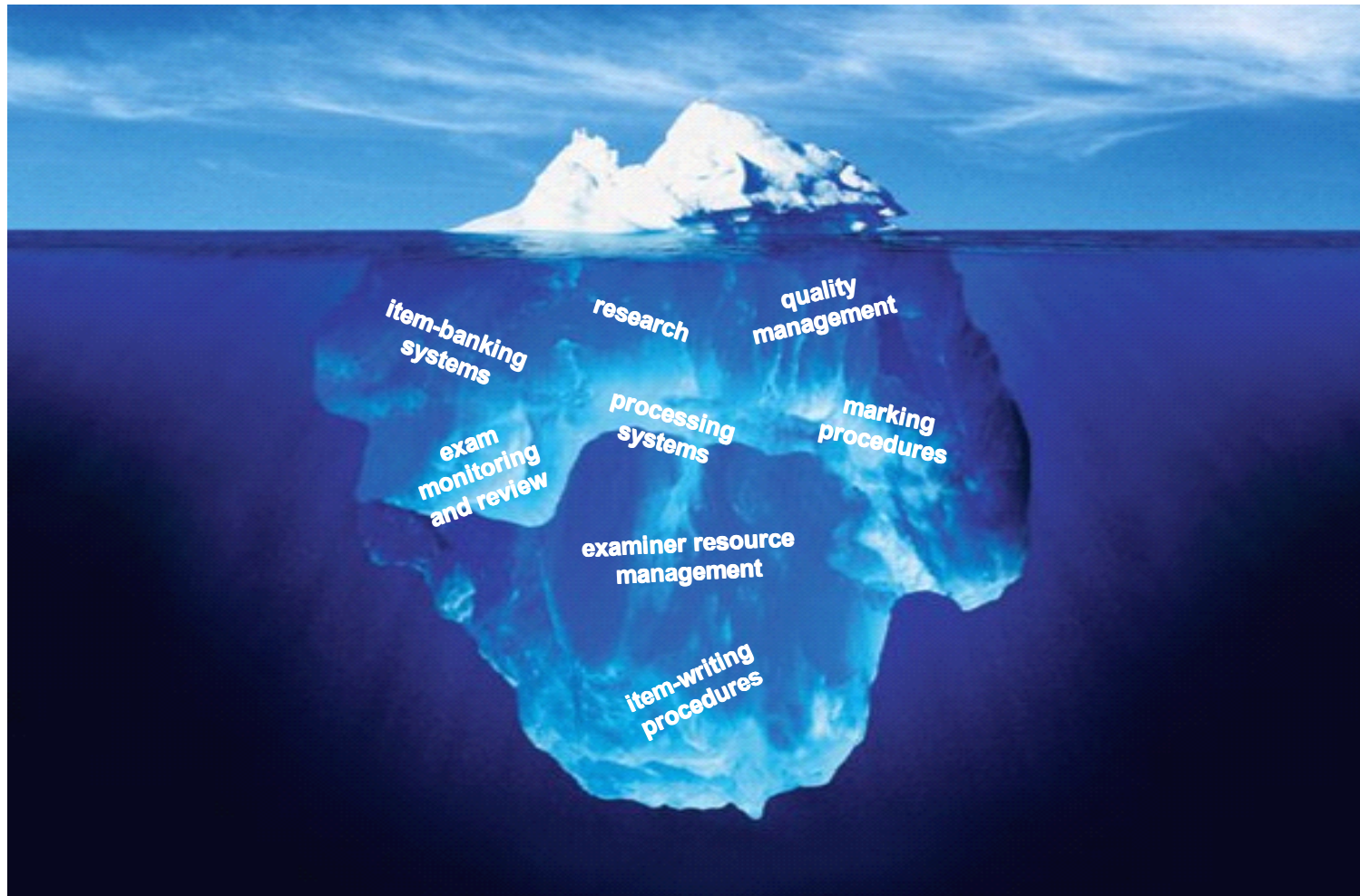
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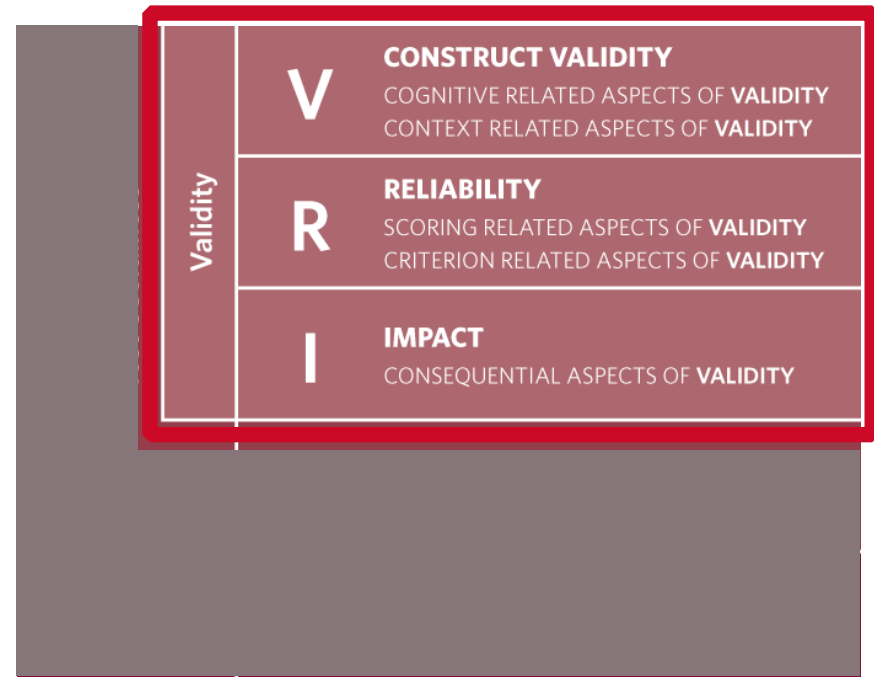


Validity

A test is valid if it measures what we intend it to measure

OR

‘The ongoing process of demonstrating that a particular interpretation of test scores is justified.’ (Bachman and Palmer, 1996)





Validity

Construct validity

The theory of language ability the test is based on

- Models of communicative language ability (Canale and Swain, 1988; Bachman 1990)
- Socio-cognitive model (Weir, 2005)
- Common European Framework of Reference (CEFR – Council of Europe)

Cambridge ESOL approach

Language proficiency in terms of language users ' overall communicative ability sub-divided into skills and sub-skills

⇒ a profile of communicative language ability for an individual candidate

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Validity

Cognitive- and context-related aspects of validity

- **cognitive-related validity**

the extent to which cognitive processes employed by the candidate are the same as those needed in real-world contexts (Target Language Use – TLU)



Validity

Cognitive- and context-related aspects of validity

- **context-related validity**

the conditions under which the test is performed e.g. the tasks, rubrics and test administration conditions

appropriateness of linguistic and content demands

good sampling of the syllabus



Validity

Cognitive- and context-related aspects of validity

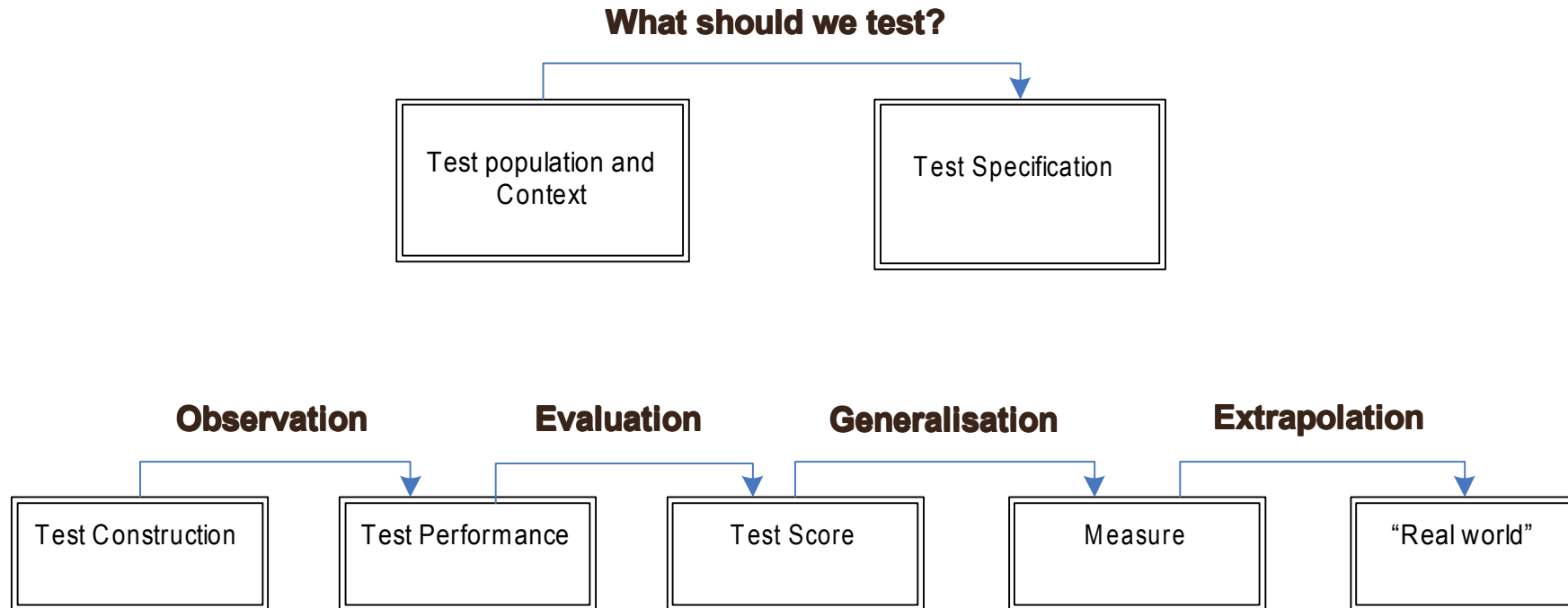
Validation of these aspects should include analysing the degree to which the sample of items and tasks in an exam represent TLU domain.

A variety of tasks and response types can test a wider range of underlying abilities and contribute to an exam's fairness.

Tests need to demonstrate a level of authenticity in both contextual and cognitive terms in order for the generalised inferences to be valid.



Validity within a test development cycle



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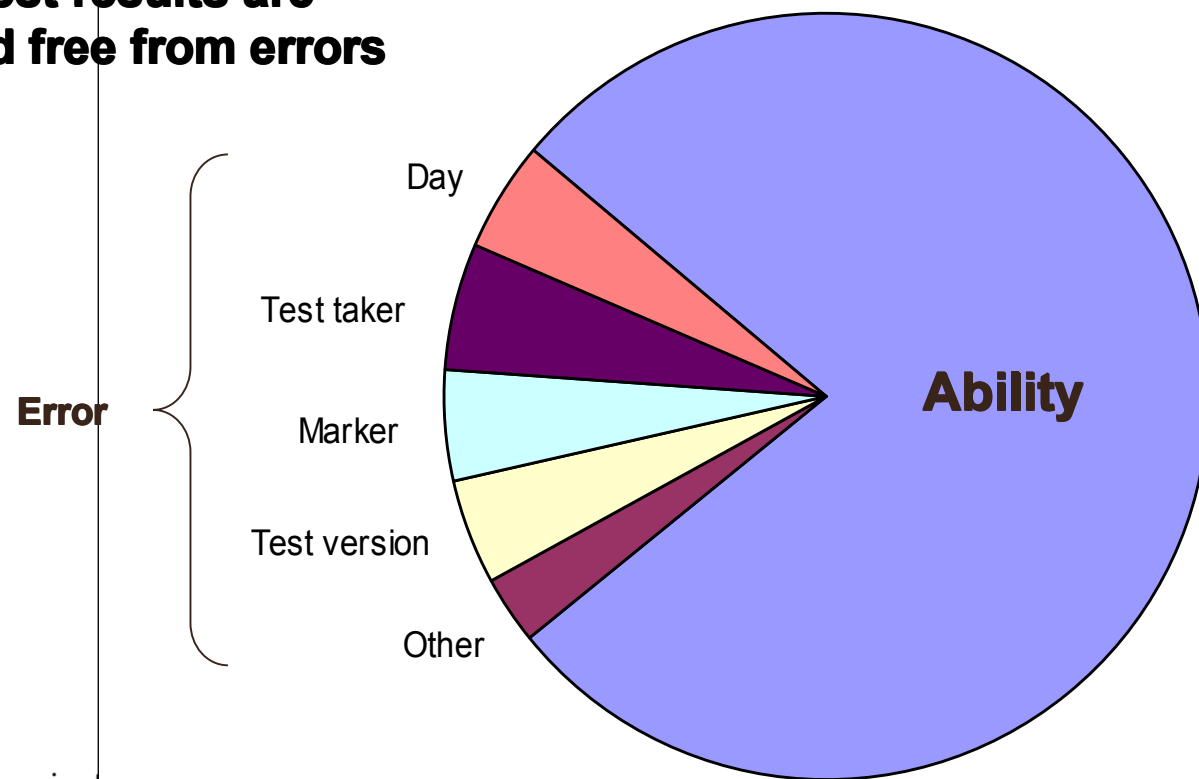


Validity	V	CONSTRUCT VALIDITY COGNITIVE RELATED ASPECTS OF VALIDITY CONTEXT RELATED ASPECTS OF VALIDITY
	R	RELIABILITY SCORING RELATED ASPECTS OF VALIDITY CRITERION RELATED ASPECTS OF VALIDITY
	I	IMPACT CONSEQUENTIAL ASPECTS OF VALIDITY



Reliability

The extent to which test results are stable, consistent and free from errors of measurement.





Reliability

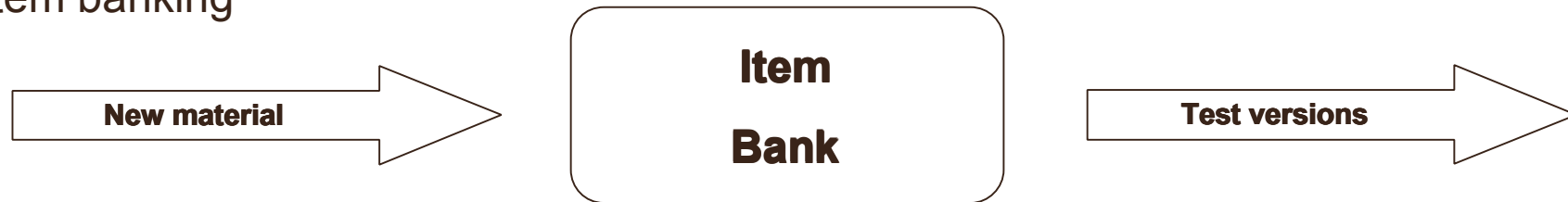
Criterion-related aspects of validity

- criterion-referenced tests are ones in which candidates are assessed against specific target behaviors (e.g. the CEFR)
- setting and maintaining of standards – different test versions must be comparable and so the same underlying ability is needed to ‘pass’ each test version.
 - item-banking and common scales



Reliability

Item banking



- rigorous quality assurance
- calibration (Rasch analysis) to a single measurement scale
- ⇒ can construct tests of known difficulty and ensure equivalence across test versions and standardised results

- common scales for Writing and Speaking against stated criteria

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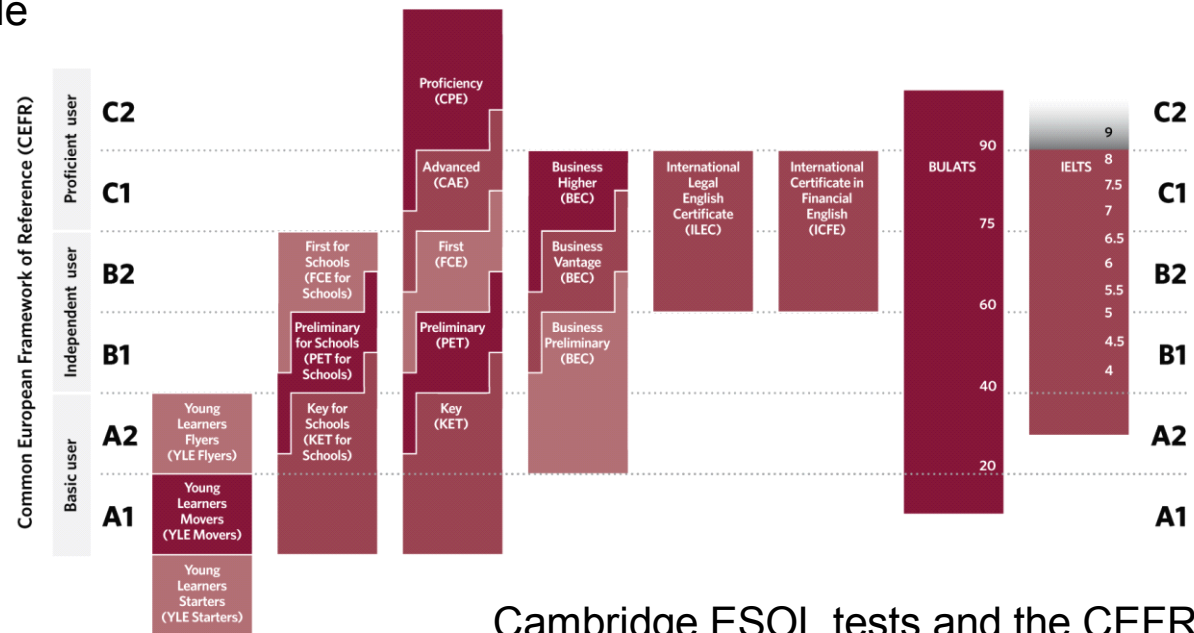
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Reliability

Criterion-related aspects of validity (continued)

Use of scales: an example



Cambridge ESOL tests and the CEFR



Reliability

Scoring-related aspects of validity

Key aim is to minimise effects of sources of error

e.g. standardising marking and test administration conditions

Standardising marking

- worldwide team leader system
- standardisation of marking
 - online capture of marks – training and live
 - electronic marking of Writing and ‘seeded scripts’

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Impact

Consequential aspects of validity

Assessment can have important effects and consequences

- within a classroom (washback)
- within an education system
- within society more widely

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Impact

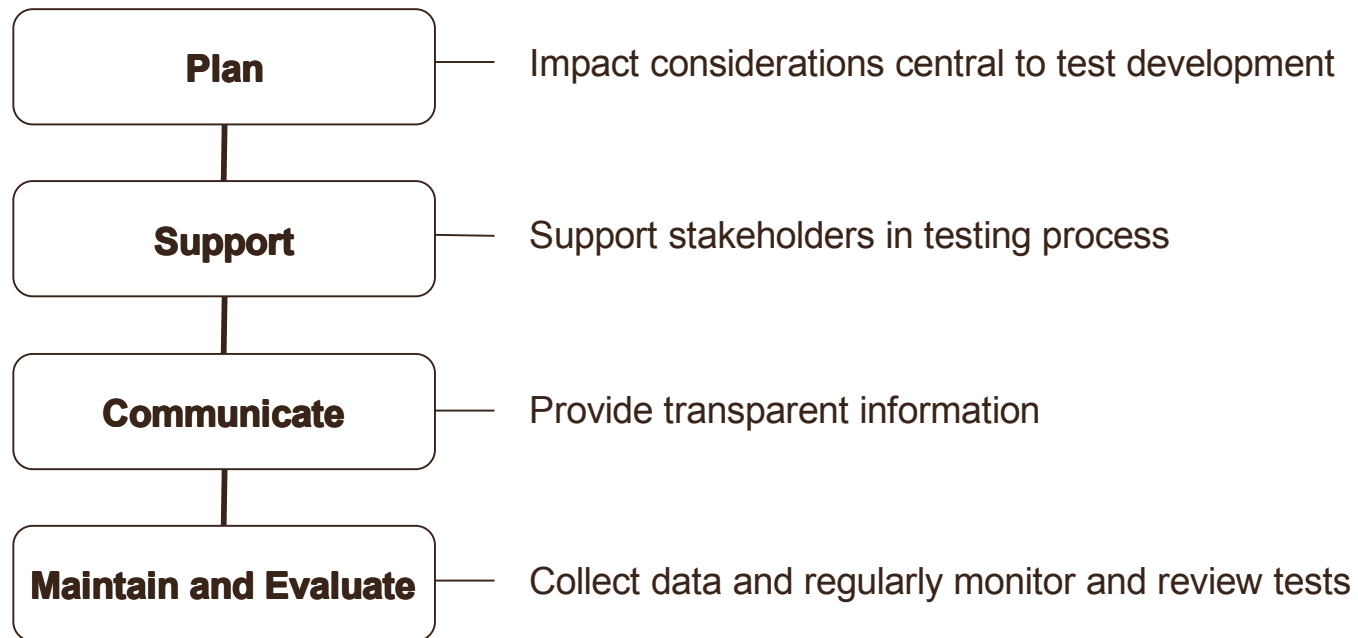
Impact by design

- strive to achieve positive impact on curriculum and learning
- test features that are consistent with those in instructional programmes
- an action-oriented approach to investigating impact.



Impact

Impact by design



Very important role of Impact Studies

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Impact

Ethics and fairness

- Social consequences of testing (Messich, 1989)
- Kunnan's Test Fairness Framework (2004)
- Codes of Practice (e.g. ALTE Code of Practice)
- International Language Testing Association – Code of Ethics (2000)

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P PRACTICALITY

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Practicality

Integral part of test usefulness and affects many different aspects of an exam

- resources necessary to produce and deliver an exam
- processing systems
- security – item-banks, exam centres, statistical malpractice checks

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Practicality

Integral part of test usefulness and affects many different aspects of an exam

- test length
- availability of markers
- accessibility – exam centres
- frequency of test administration
- cost of exam

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Quality

Quality and Accountability

Quality is about achieving VRIP and fit for purpose tests consistently

- underpinning organisational and processing systems
- looking for continual improvement
- audits of processes

External international standards for Quality e.g. ISO 9001

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Quality

An action-based approach

Exam Review and Evaluation

- formal annual evaluation
- formal exam reviews at least every 5 years

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Quality

Underpinning organisational systems

- processing systems
- delivery systems e.g. computer-based testing
- test materials production and calibration
- item-banking systems
- examiner training and standardisation routines

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Quality

Communication and Stakeholder Support

- information and support services
- developing assessment literacy
- supporting recognising organisations
- publications and the media
- customer satisfaction surveys

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A framework for

Validity

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Positive **I**mpact

Practicality

Within a **Q**uality Management framework



The development of a **VRIPQ** framework

= **The Responsibilities of International Test Providers**

Spolsky (1981) – *High stakes language tests should be labelled like medicine – ‘use with care’*

Ensure there are ticks against

Validity ✓

Reliability ✓

Impact ✓

Practicality ✓

and a strong **Q**uality ✓ Management system

to make sure the house has strong foundations ...



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**Thank you –
Any questions?**



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