HOW NEW TEST STANDARDS ARE DEVELOPED AND IMPLEMENTED

Colin Young – Labosport Ltd

SportSURF Seminar, Wednesday October 12th
To keep my shareholders happy...
The “5 R’s” to test a new method

**Relevance** — does it solve a problem?

**Reproducibility** (Repeatability) — is it accurate overtime and between tests

**Reliability** — does it work in lots of situations, is it weather proof, etc...

**tRansportability** — weight, size, easy of use, etc... (for field testing)

**Remunerative** — is it commercial viable? – cost & time
HOW NEW TEST STANDARDS ARE DEVELOPED AND IMPLEMENTED

1. Problem defined
2. Testing options / technology review
3. Validation and refinements
4. Limits of acceptability established
5. Inter-lab proficiency testing
6. Implementation
7. Review / refinement
8. Playing / sport need identified

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**Relevance**

Is there a need for the test?

Are we solving a problem?

Will it enable / support innovation?

Does this new method measure what players experience / perceive.

If the test says one thing but the players disagree there is potentially an issue with the method. Maybe not from a technical perspective but certainly from an acceptance of the method.
Reproducibility / Repeatability

Measurement accuracy “quality management system”

Traceability

Validation

Sources of error
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Reliability / tRansportability / Remunerative

Whilst these do not influence the quality of the method they are the practical factors that need to be considered to make them viable.

The method may tick all of the other issue but if it doesn’t meet these factors it will unlikely be used in a certification process.
ENGAGING WITH NGBs / IGBs & TEST INSTITUTES

- Playing / sport need identified
- Problem defined
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- Validation and refinements
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- Implementation
- Review / refinement

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QUESTIONS?
A WORLD LEADING INDEPENDENT LABORATORY FOR SPORT SURFACES AND EQUIPMENT

TECHNICAL ASSISTANCE & CONSULTING
TEST & CERTIFICATION
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