



STANDARDS AND MEASUREMENTS FOR CLEAN AIR

THE INFLUENCE OF ACCREDITATION BY EN ISO IEC 17025 ON
THE PERFORMANCE OF A TEST LABORATORY

Carlos Pedro Ferreira. IPQ 14 de Outubro 2016

SONDAR.i
AMOSTRAGENS E TECNOLOGIAS DO AR

CURRENT OPINIONS-IDEAL WORLD

SOURCE ILAC- INTERNATIONAL LABORATORIE ACCREDITATION COOPERATION

- **A RECOGNITION OF TESTING COMPETENCE**



Carlos Pedro Ferreira. IPQ 14 de Outubro 2016

CURRENT OPINIONS

- **A MARKETING ADVANTAGE**



Carlos Pedro Ferreira. IPQ 14 de Outubro 2016

CURRENT OPINIONS

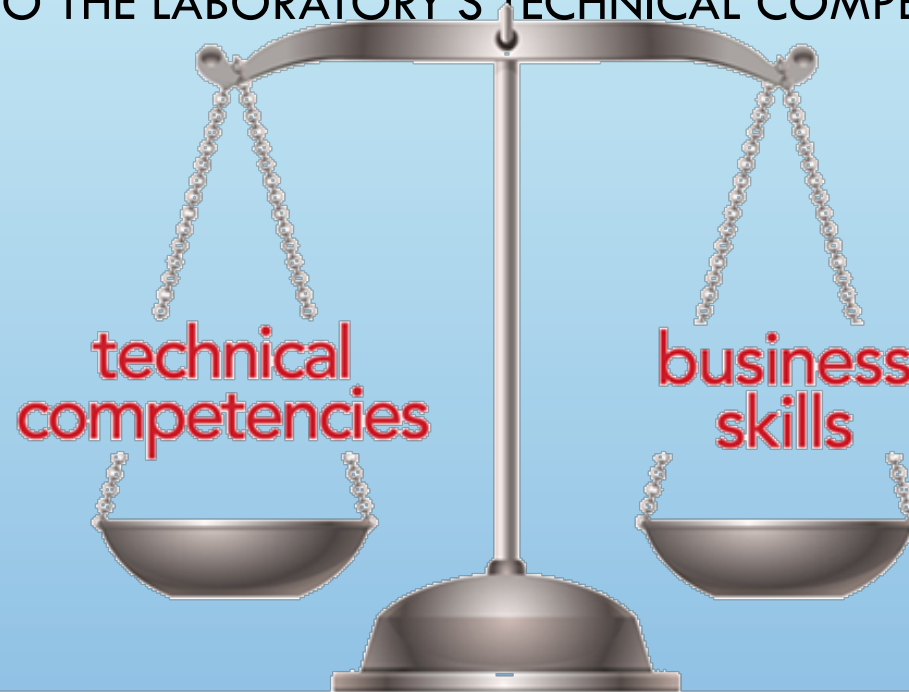
- **A BENCHMARK FOR PERFORMANCE**



Carlos Pedro Ferreira. IPQ 14 de Outubro 2016

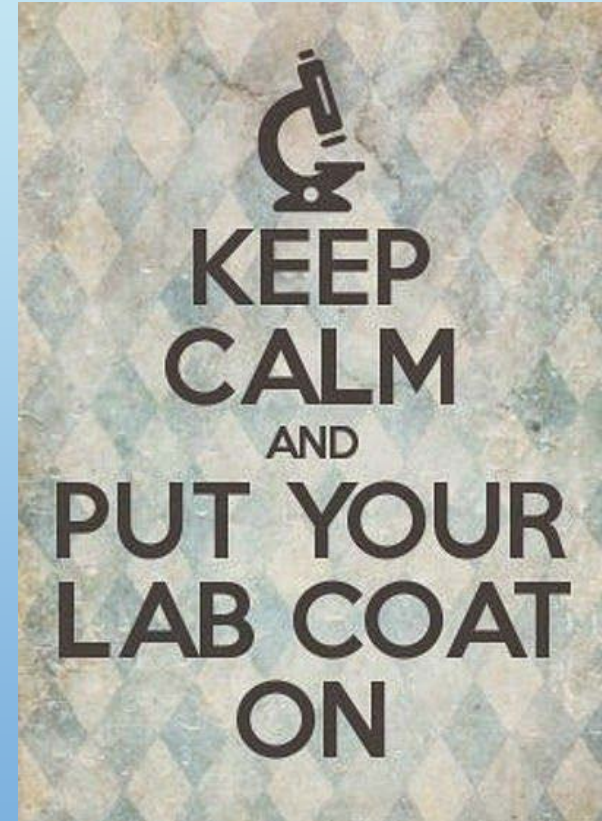
CURRENT OPINIONS

- ISO/IEC 17025, WHICH ARE USED FOR EVALUATING LABORATORIES THROUGHOUT THE WORLD. LABORATORY ACCREDITATION BODIES USE THIS STANDARD SPECIFICALLY TO ASSESS FACTORS RELEVANT TO THE LABORATORY'S TECHNICAL COMPETENCE



CURRENT OPINIONS

- **INTERNATIONAL RECOGNITION FOR YOUR LABORATORY**



Carlos Pedro Ferreira. IPQ 14 de Outubro 2016



Carlos Pedro Ferreira. IPQ 14 de Outubro 2016

SONDAR.i
AMOSTRAGENS E TECNOLOGIAS DO AR

BUT.....

- WHE HAVE THE REAL WORLD

Carlos Pedro Ferreira. IPQ 14 de Outubro 2016

SONDAR[®]
AMOSTRAGENS E TECNOLOGIAS DO AR

PROBLEMS

- MULTI-LATERAL RECOGNITION AGREEMENT, CALLED THE ILAC ARRANGEMENT EXISTS BUT THE CLIENTS CHOOSE, AND SOME COUNTRIES ARE PROTECTIONIST ABOUT THEIR LABORATORIES.



Carlos Pedro Ferreira. IPQ 14 de Outubro 2016

- THE INTERPRETATION OF THE ACREDITATION BOBY IN DIFFERENT COUNTRIES IS NOT THE SAME, WHICH IMPLIES NECESSARILY AND QUICKLY TO STANDARDIZE PROCEDURES, CONCEPTS AND PRECISE GUIDELINES ABOUT THE WAY FORWARD.



Carlos Pedro Ferreira. IPQ 14 de Outubro 2016

- THE COMPETENT AUTHORITIES, PARTICULARLY THOSE WHO LEGISLATE HAVE TO MAKE COMPULSORY ACCREDITATION AS BEING THE ONLY WAY TO MAKE IT EFFECTIVE



Carlos Pedro Ferreira. IPQ 14 de Outubro 2016

**I DON'T CARE IF
YOU DON'T
CARE.**

Green

Carlos Pedro Ferreira. IPQ 14 de Outubro 2016

ACTORS IN THE PROCESS

- ACCREDITATION BODY
- REGULATORY BODY
- LEGISLATOR
- TESTING LABORATORIES
- CALIBRATION LABORATORIES
- INDUSTRY AND SERVICES (CUSTOMERS)
- REGIONAL COORDINATION CENTERS (CCDR`S)

Carlos Pedro Ferreira. IPQ 14 de Outubro 2016

AND THIS PROBLEMS



Carlos Pedro Ferreira. IPQ 14 de Outubro 2016

HOWEVER THERE ARE SERVICES THAT CAN NOT BE MANAGED BY THE NORMAL RULES OF SUPPLY AND DEMAND

- ENVIRONMENT
- HEALTH CARE
- HUMAN RIGHTS
- FOOD
- SAFETY
- ENTITIES WHICH REGULATE THE NORMAL OPERATION STATE
- ETC...

Carlos Pedro Ferreira. IPQ 14 de Outubro 2016



Carlos Pedro Ferreira. IPQ 14 de Outubro 2016

FOR THIS REASON THE FUNCTIONING OF THE REGULATORY AUTHORITY ACCREDITATION HAS TO ACT PREVENTIVELY

SURPRISE AUDITS

Purpose:

- To evaluate without providing notice of the review/audit so that preparation cannot be performed by the auditee.
- To confirm the true operational readiness of a process area.
- The audit is a **detection** strategy...
- The possibility of the audit is a **prevention** strategy.

THE FUTURE

You can either trust people until they fail you, or distrust people until they're proven trustworthy.

WE CANT FORGET THE MARKET

- ONE THING IS THE INTENTION OR MOTIVATION OF A STANDARD OTHER IS THEIR EFFECTIVENESS



Carlos Pedro Ferreira. IPQ 14 de Outubro 2016

EVERYTHING IS POSSIBLE, JUST HAVE THE WILL TO
CHANGE



Carlos Pedro Ferreira. IPQ 14 de Outubro 2016