

MINISTERIAL CONFERENCE ON FISHERIES
COOPERATION AMONG AFRICAN STATES
BORDERING THE ATLANTIC OCEAN



CONFERENCE MINISTERIELLE SUR LA COOPERATION
HALIEUTIQUE ENTRE LES ETATS AFRICAINS
RIVERAINS DE L'OCEAN ATLANTIQUE

ISO

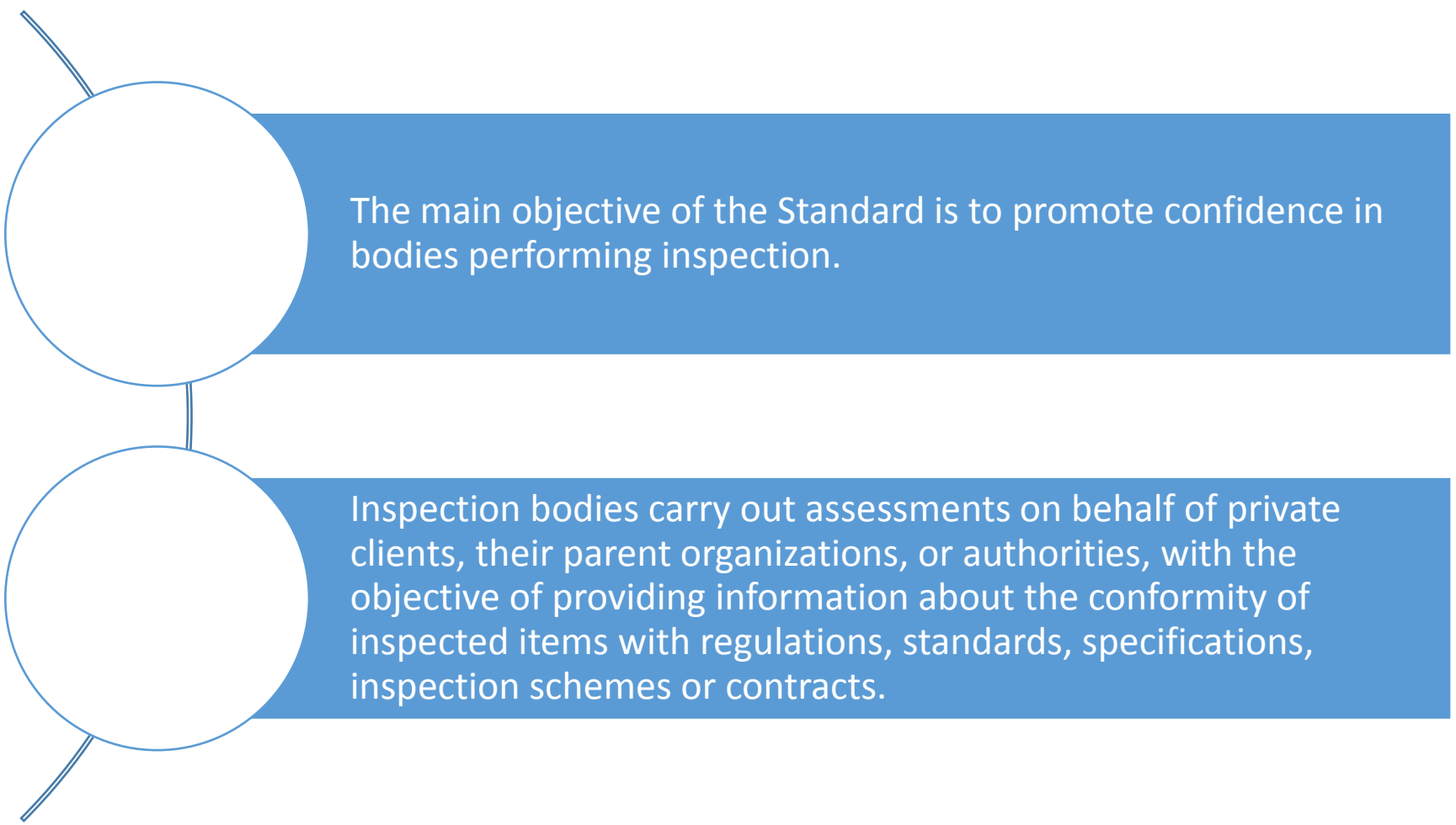
Presentation on the new standard

ISO/IEC 17020:2012

Conformity assessment – Requirements for the operation of

- The aim of this presentation is to support all interested parties concerned by the implementation of this new standard, e.g. conformity assessment bodies, accreditation bodies, industries with general information and contribute to an harmonized transition.

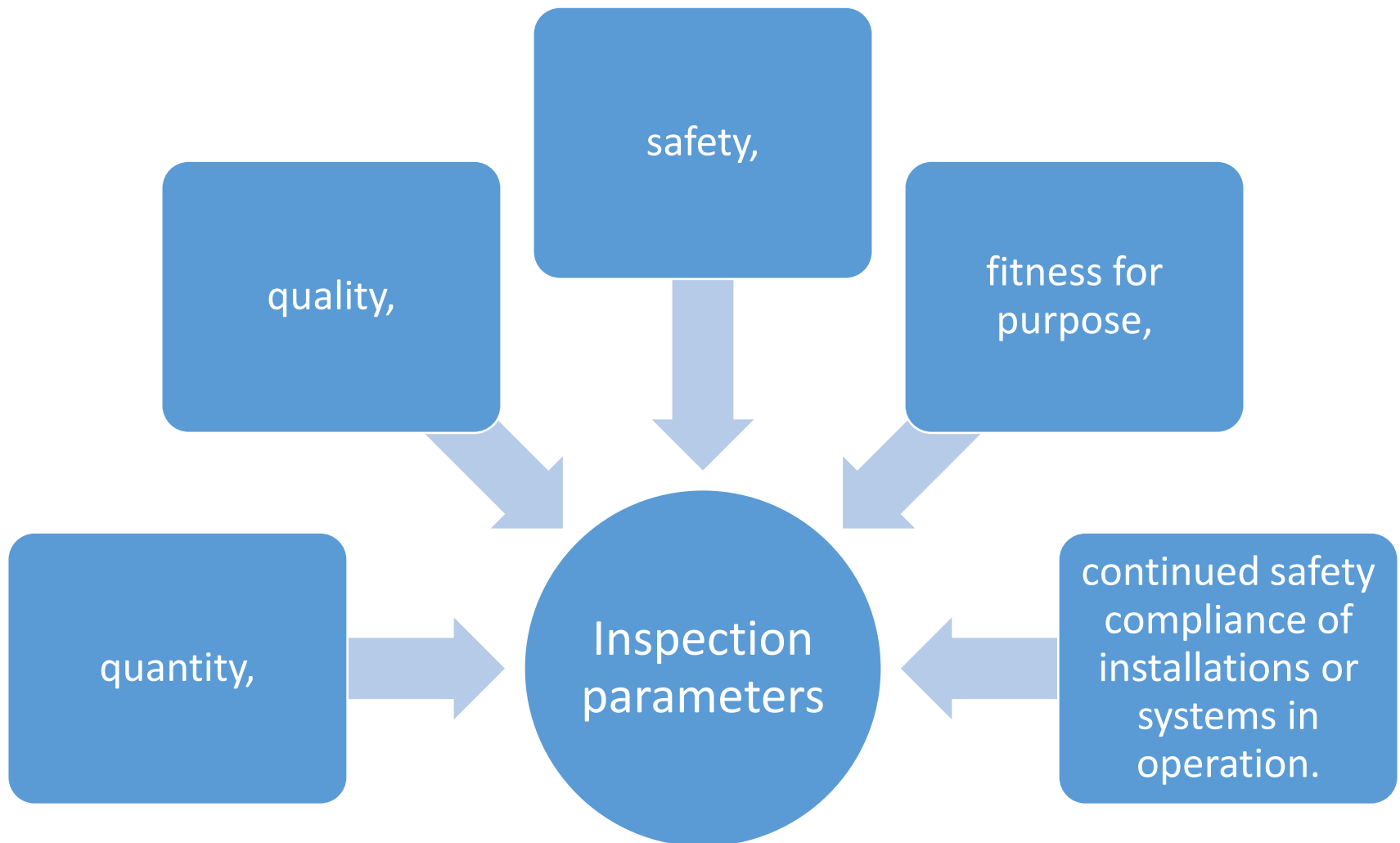
Key activities of inspection (1)



The main objective of the Standard is to promote confidence in bodies performing inspection.

Inspection bodies carry out assessments on behalf of private clients, their parent organizations, or authorities, with the objective of providing information about the conformity of inspected items with regulations, standards, specifications, inspection schemes or contracts.

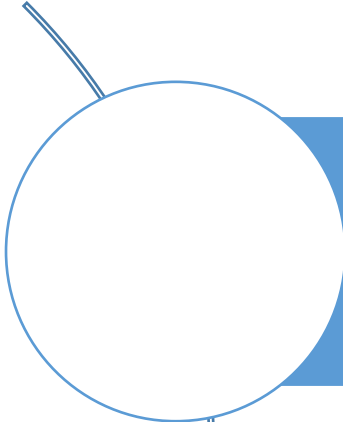
Key activities of inspection (2)



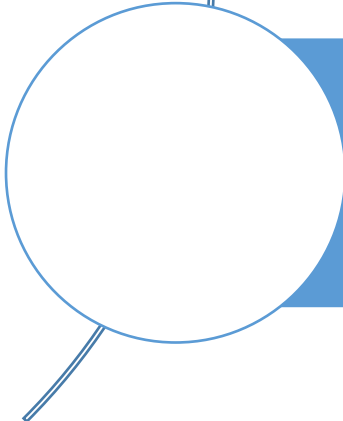
Key activities of inspection (3)



Key activities of inspection (4)

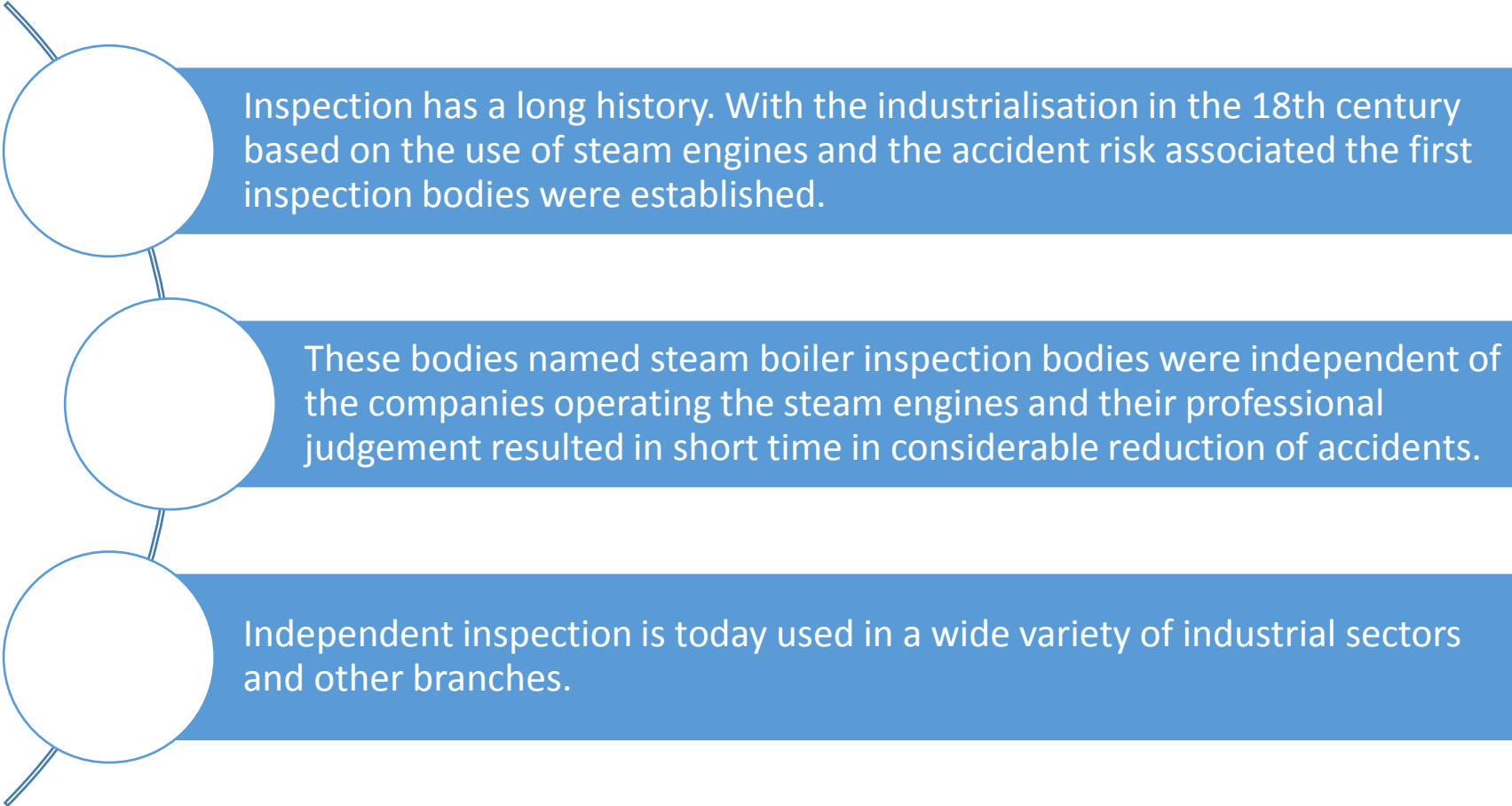


Inspection can concern all stages during the lifetime of these items, including the design stage.



Inspection normally requires the exercise of professional judgement in performing inspection, in particular when assessing conformity with general requirements.

History of inspection



Inspection has a long history. With the industrialisation in the 18th century based on the use of steam engines and the accident risk associated the first inspection bodies were established.

These bodies named steam boiler inspection bodies were independent of the companies operating the steam engines and their professional judgement resulted in short time in considerable reduction of accidents.

Independent inspection is today used in a wide variety of industrial sectors and other branches.

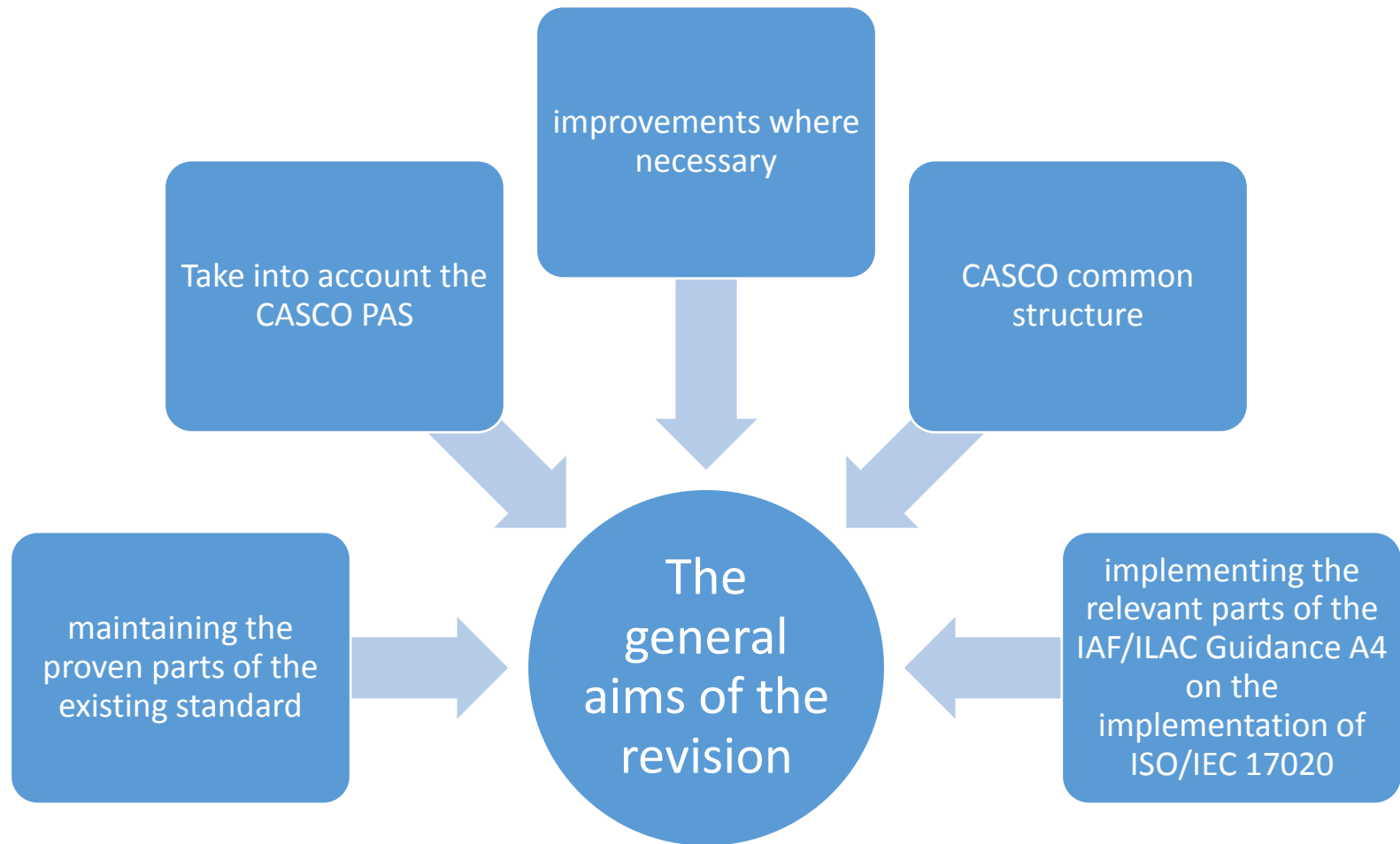
Transition period of ISO/IEC 17020:2012

ILAC resolution 2012-07-18:

- *“The ILAC membership agrees to a three-year transition period for the implementation of ISO/ IEC 17020: 2012 from the date of publication of the English language version of the standard. The standard was published on 1 March 2012, therefore the three year transition period will conclude on 1 March 2015.”*

Aim of the revision

Initiated by the result of the systematic review 2008



The main changes and improvements

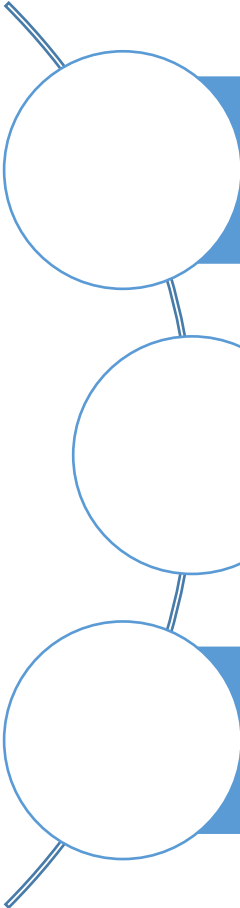
Content

Alignment with the new structural requirements for standards for conformity assessment bodies resulting in the following 8 chapters in the revised standard instead of 16 in the existing 17020:

- Scope
- Normative references
- Terms and definitions
- General requirements
- Structural requirements
- Resource requirements
- Process requirements
- Management system requirements

The main changes and improvements

Impartiality and independence (1)



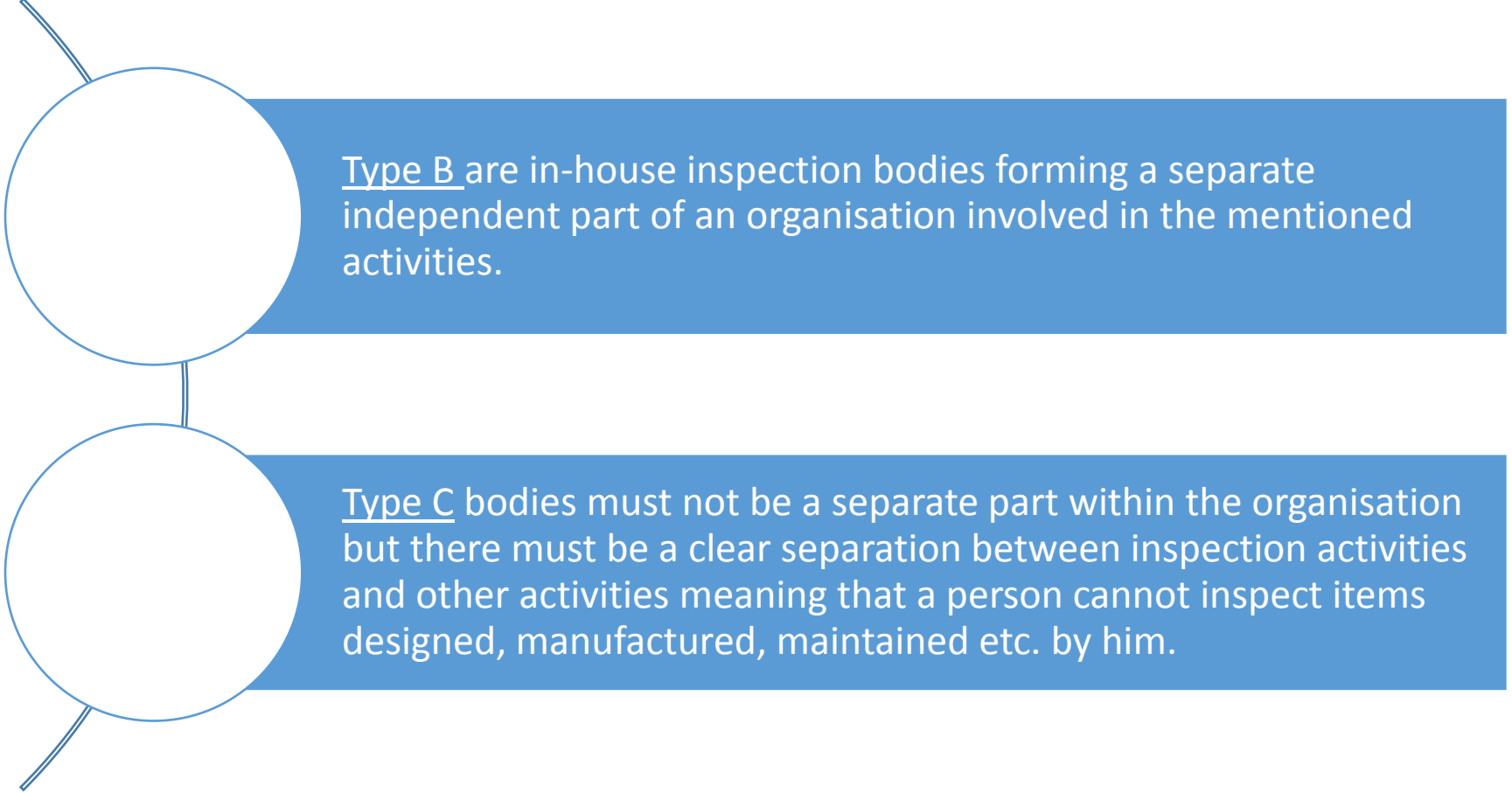
The requirements on impartiality and independence which are crucial for performing inspection activities are considerably improved by implementing the relevant parts of the IAF/ILAC guidance A4 in clause 4.1 and the normative Annex A.

The three types of inspection bodies (Types A, B and C) describing the different degree of independence are kept.

Type A bodies are third-parties independent of the parties involved in the design, manufacture, supply, installation, use or maintenance of inspected items.

The main changes and improvements

Impartiality and independence (2)

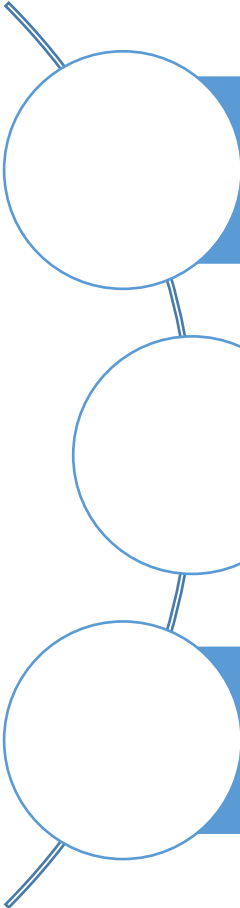


Type B are in-house inspection bodies forming a separate independent part of an organisation involved in the mentioned activities.

Type C bodies must not be a separate part within the organisation but there must be a clear separation between inspection activities and other activities meaning that a person cannot inspect items designed, manufactured, maintained etc. by him.

The main changes and improvements

Competence of inspectors (1)



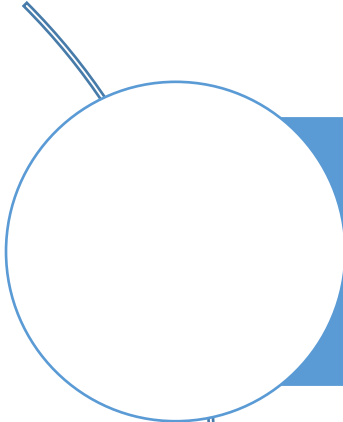
The inspectors of the Types A, B and C have to fulfil the same competence requirements which are specified in clause 6.1 of the standard.

The inspectors must have appropriate qualifications, training, experience and a satisfactory knowledge of the requirements of the inspections to be carried out.

This is of special importance as many inspection activities involve professional judgement to determine conformity with general requirements.

The main changes and improvements

Competence of inspectors (2)



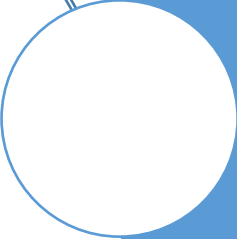
Inspectors shall be trained on a continuing base to keep pace with developing technology and inspection methods.



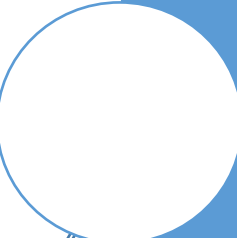
Inspectors have to be monitored (referred to as supervision in the former edition of 17020) by experienced persons including on-site observations.

The main changes and improvements

Subcontracting



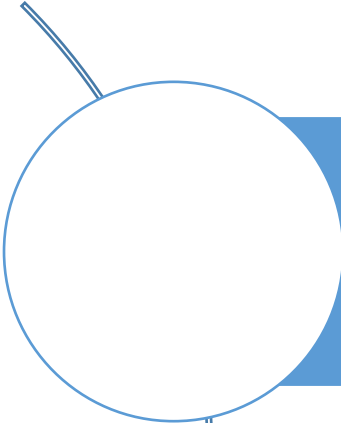
The inspection body shall itself normally perform the inspections that it contracts to undertake. The well-proven requirement in case of Subcontracting are basically kept.



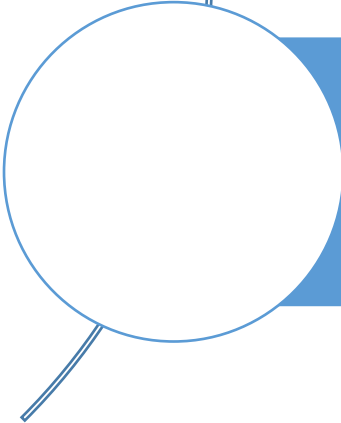
The reasons for subcontracting of inspections were specified based on the relevant IAF/ILAC guidance A4 by examples such as unforeseen overload, incapacitated staff members or temporarily unfit equipment.

The main changes and improvements

Inspection schemes



In the process part of the standard (clause 7) it is required that the inspection body uses methods and procedures which are defined in requirements against which inspection is to be performed.



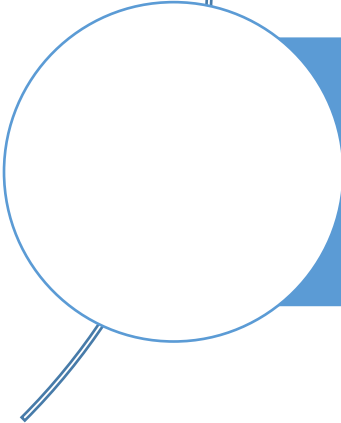
It is clarified that such requirements can also be specified in inspection schemes. A definition of inspection schemes is now contained in the standard (clause 3.7).

The main changes and improvements

Commodity inspections



Inspection can provide information about inspected items without determination of conformity.



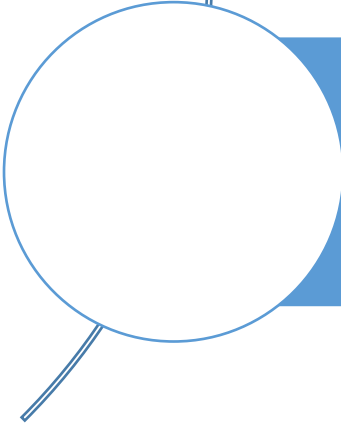
Commodity inspections have been considered in the standard as inspections activities and covered by a note to the definition of inspection (clause 3.1) saying that inspection procedures and schemes can restrict inspection to examination only.

The main changes and improvements

Inspection reports and certificates



Requirements on reports and certificates have been considerably improved



The standard provides a list of elements that have to be included in a report or certificate (clause 7.4.2) and of optional elements that can be included (informative Annex B).

The main changes and improvements Management system requirements

The management system requirements are concentrated in chapter 8.

- According to PAS 17005 the certification body has two options to establish and maintain a management system that is capable of achieving the consistent fulfilment of the requirements of ISO/IEC 17020.
- The requirements of option A are provided in detail in clauses 8.2 to 8.8.
- Option B gives the possibility to use ISO 9001 as an alternative to fulfil the requirements contained in clause 8.2 to 8.8.