

D 43v07

ISO 22716 internal audit

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Goal of the module: To conduct an internal audit according to ISO 19011 in order to:

- identify improvement opportunities
- increase the satisfaction of interested parties
- evaluate the performance of ISO 22716 good manufacturing practices

1 Scope

The word audit comes from Latin "audire" = to listen.

Audit: *a systematic and independent survey to determine whether activities and results comply with pre-established measures and are capable of achieving the objectives*

Audits are mostly internal or external.

Internal audits, also called first party audits, are a requirement of the ISO 22716 standard (cf. sub-clause 16.1).

External, customer (or supplier) and certification audits, also called second and third party audits, are not within the scope of this module.

Internal audits are the most widespread tool for checking, evaluating and improving the effectiveness of good manufacturing practices of cosmetic products. It is never intended to find the weak points in personnel. The internal audit has entered many company's daily lives as it has become inseparable from:

- any good manufacturing practices
- internal communication
- daily improvement
- corporate culture

It's only through other people's eyes that one can really see one's weakness. Chinese proverb

An internal audit is of (cf. figure 1-1):

- the management system
- a process
- a product (service, project)

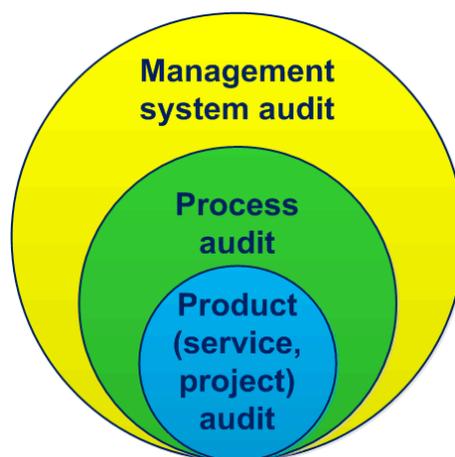


Figure 1-1. Internal audit types

Process: *activities that transform inputs into outputs*

The internal audit results are part of the inputs of the management review and allow the identification of fields in which to improve the quality management system (QMS) as:

No system is perfect

As shown in figure 1-2, for the process “Perform an audit”, top management (via the management review) is considered as an audit client with needs and expectations, which are themselves related to processes and various requirements. 

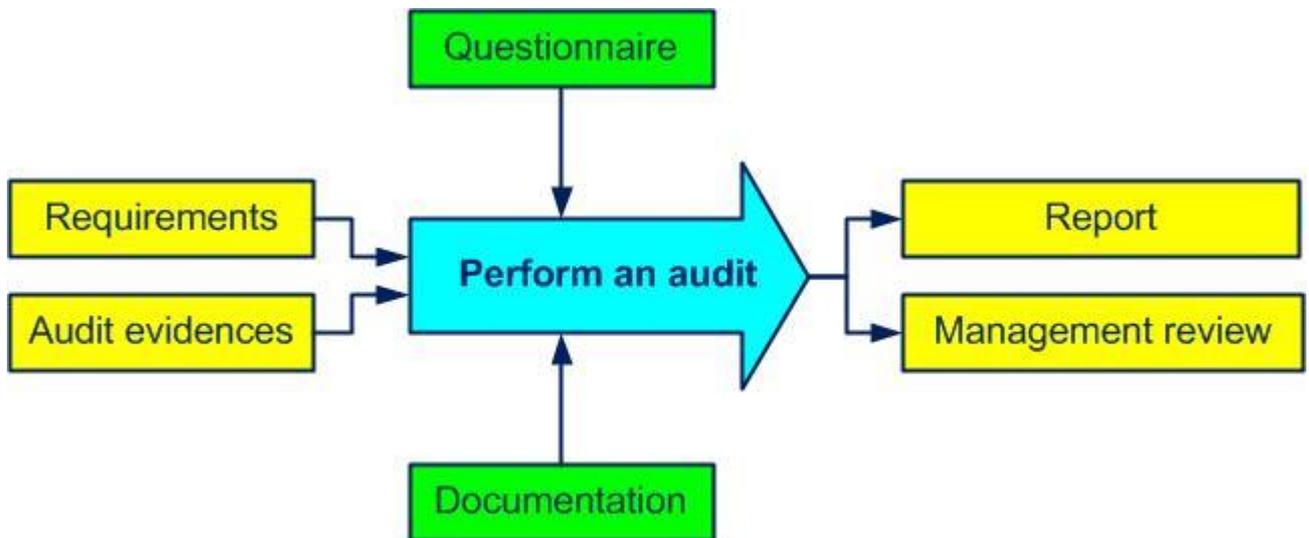


Figure 1-2. Perform an audit process

In the 1980s internal audits were mostly documentary - did you write down what you do?

Later, in the early 2000s, internal audits were more about conformity - does what you do meet the requirements of the standard?

Now internal audits are essentially about effectiveness - how do you improve your performance?

2 Normative references

The advice given by the ISO 19011 document can be summarized in the following fields:

- audit principles - clause 4
- audit program - clause 5
- audit activities - clause 6
- auditor competence - clause 7

A good knowledge of the ISO 22716 standard is required to understand and follow this module.

Do not hesitate to come back to the requirements (recommendations) of ISO 22716 version 2007, cf. [ad hoc](#) page.



This module is based on the following generic and international standards:

- **ISO 19011 (2018): Guidelines for auditing management systems**
- **ISO 22716 (2007): Cosmetics – Good Manufacturing Practices (GMP) – Guidelines on Good Manufacturing Practices**
- **ISO 9000 (2015): Quality management systems – Fundamentals and vocabulary**
- **ISO 9004 (2018): Quality management — Quality of an organization — Guidance to achieve sustained success**

All of these standards and many more can be ordered in electronic or paper format on the [ISO](#) site.

More than 28,000 standards (in English and other languages) are available on the [Public.Resource.Org](#) site.

3 Definitions

The beginning of wisdom is calling things by their proper names. Chinese proverb

Some terms and definitions currently used in management systems and audits:

Advisory notice: notice on the use, modification, return or destruction of a medical device

Audit client: everyone requesting an audit

Audit conclusions: outcome of an audit

Audit criteria: everything against which audit evidence is compared

Audit findings: every deviation from audit criteria

Auditee: everyone who is audited

Auditor: everyone who is trained to carry out audits

Competence: personal skills, knowledge and experiences

Customer: anyone who receives a product

Interested party: person, group or company affected by the impacts from an organization

Medical device: product or service to be used for purposes of diagnosis, prevention, monitoring, treatment, alleviation of disease or injury

Nonconformity: non-fulfillment of a specified requirement

Organization: a structure that satisfies a need

Product (or service): every result of a process or activity

Quality objective: quality related, measurable goal that must be achieved

Stakeholder: person, group or company that can affect or be affected by an organization

Supplier (external provider): an entity that provides a product

Examples of interested parties: investors, customers, suppliers, employees and social, public or political organizations

In the terminology of quality management systems, do not confuse the following:

- anomaly, defect, dysfunction, failure, nonconformity, reject and waste:
 - anomaly is a deviation from what is expected
 - defect is the non-fulfillment of a requirement related to an intended use
 - dysfunction is a degraded function which can lead to a failure
 - failure is when a function has become unfit
 - nonconformity is the non-fulfillment of a requirement in production
 - reject is a nonconforming product which will be destroyed
 - waste is when there are added costs but not value
- audit and inspect
 - to audit is to improve the QMS
 - to inspect is to verify the conformity of a process or product
- audit, auditee and auditor
 - an audit is a process of evaluating and improving the QMS
 - an auditee is the one who is audited
 - an auditor is the one who conducts the audit
- audit program and plan
 - an audit program is the annual planning of the audits
 - an audit plan is the description of the audit activities
- communicate and inform
 - to communicate is to pass on a message, listen to the reaction and discuss
 - to inform is to give someone meaningful data
- control and optimization
 - control is meeting the objectives
 - optimization is the search for the best possible results

- customer, supplier and subcontractor
 - a customer receives a product
 - a supplier provides a product
 - a subcontractor provides a service or a product on which a specific work is done
- effectiveness and efficiency
 - effectiveness is the level of achievement of planned results
 - efficiency is the ratio between results and resources
- follow-up and review
 - follow-up is the verification of the obtained results of an action
 - review is the analysis of the effectiveness in achieving objectives
- indicator and objective
 - an indicator is the information on the difference between the achieved result and the pre-set objective
 - an objective is a sought after commitment
- organization and enterprise, society, company
 - organization is the term used in the standard ISO 13485 as the entity between the supplier and the customer
 - enterprise, society and company are examples of organizations
- organizational chart and process map
 - the organizational chart is the graphic display of departments and their links
 - the process map is the graphic display of processes and their interaction
- process, procedure, product, activity and task
 - a process is how we satisfy the customer using people to achieve the objectives
 - a procedure is the description of how we should conform to the rules
 - a product is the result of a process
 - an activity is a set of tasks
 - a task is a sequence of simple operations

Remark 1: each time you use the term "improvement opportunity" instead of nonconformity, malfunction or failure, the auditee will gain a little more confidence in you.

Remark 2: the use of ISO 19011, ISO 13485 and ISO 9000 definitions is recommended. The most important thing is to determine a common and unequivocal vocabulary for everyone in the company.

Remark 3: the customer can also be the user, the beneficiary, the initiator, the client, the prime contractor, the consumer.

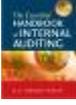
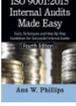
Remark 4: ISO 19011 version 2018 uses the terms procedure () , record () and documented information together. We also use the terms procedure and record together with the term documented information.

For other definitions, comments, explanations and interpretations that you won't find in this module and [annex 06](#), you can consult: 

- [Online Browsing Platform](#), ISO
- [Electropedia](#), IEC
- Quality management system – Indicators and synoptical tables (FD X50 - 171, AFNOR, 2000)
- Information technology -Vocabulary - Part 36: Learning, education and training ([ISO/IEC 2382-36](#), May 2008)



Books for further reading on internal audits:

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 • Denis Provonost, [Internal Quality Auditing](#), ASQ Quality Press, 2000
- 
 • J. P. Russel, [The Internal Auditing Pocket Guide](#), ASQ Quality Press, 2002
- 
 • Dennis Arter and al, [How to Audit the Process Based QMS](#), Quality Press, 2003
- 
 • Spencer Pickett, [The Essential Handbook of Internal Auditing](#), John Wiley & Sons, 2005
- 
 • Karen Welch, [The Process Approach Audit Checklist for Manufacturing](#), ASQ Quality Press, 2005
- 
 • Paul Palmes, [Process Driven Comprehensive Auditing](#), ASQ Quality Press, 2009
- 
 • David Hoyle, John Thompson, [ISO 9000 Auditor Questions](#), Transition Support, 2009
- 
 • J. P. Russel, [The Process Auditing and Techniques Guide](#), ASQ Quality Press, 2010
- 
 • Janet Smith, [Auditing Beyond Compliance](#), ASQ Quality Press, 2012
- 
 • Gunther Gump, [ISO 13485 Audit Checklist](#) (Medical Devices Quality Management Systems, Vol. 1), Quality Control Systems & Services, 2013
- 
 • Ann Philips, [ISO 9001:2015 Internal Audits Made Easy](#), ASQ, 2015
- 
 • Stephanie Skipper, [How to Establish a Document Control System for Compliance with ISO 9001:2015, ISO 13485:2016, and FDA Requirements](#), ASQ Quality Press, 2015
- 
 • Chad Kymal, [How to Audit ISO 9001:2015: A Handbook for Auditors](#), ASQ, 2016



- Emmet Tobin, [ISO 13485 Starter Guide](#), CreateSpace Independent Publishing Platform, 2016

When I think of all the books still left for me to read, I am certain of further happiness. Jules Renard

4 Principles

4.1 Management principles

The seven quality management principles (cf. figure 4-1) will help us achieve sustained success (ISO 9001, sub-clause 0.2).

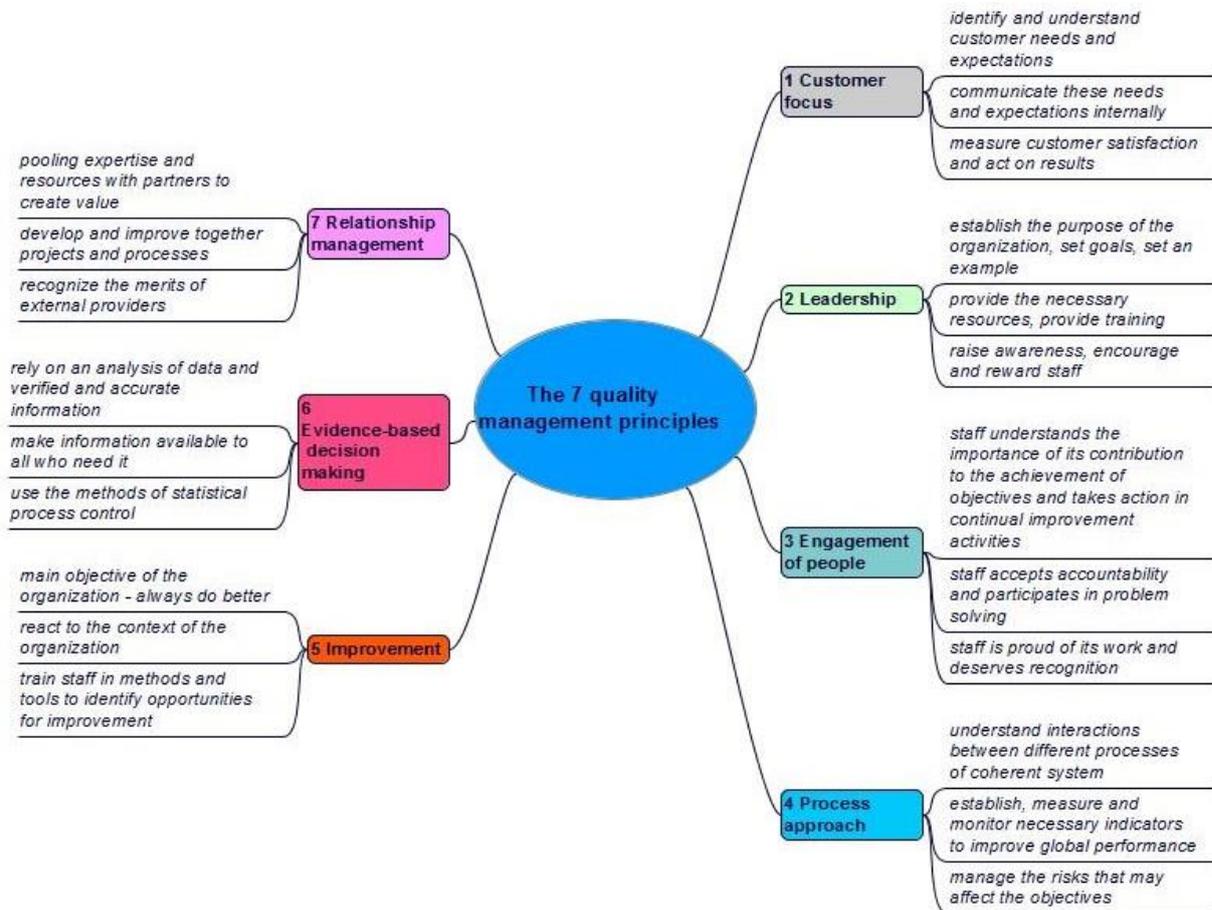


Figure 4-1. The 7 quality management principles

4.2 Audit principles

Certain principles must be followed for an audit to be a value added tool.

For the auditor:

- professional ethics, to guarantee:
 - mutual trust
 - compliance with legal requirements
- impartial presentation, to ensure:
 - honest and precise audit conclusions
 - detailed findings and audit reports
- professional integrity, to guarantee:
 - the importance of the task
 - the trust given
- confidentiality, to treat with care information which is:
 - sensitive
 - confidential
- independence, to:

- conduct an impartial audit
- write objective conclusions
- the evidence-based approach, to reach conclusions that are:
 - reliable, verifiable and
 - reproducible
- risk-based thinking, to achieve the objectives of the audit by:
 - identifying and decreasing threats
 - seizing opportunities

But also:

- common sense - always the best tool
- curiosity, to learn and succeed
- goodwill to help the auditee identify improvement opportunities
- understandable language
- positive attitude is gratifying for the auditee

For the audit:

- independence (the auditor and audited activity do not have conflicts of interest), to guarantee:
 - objective conclusions
 - findings based on objective evidence
- a factual approach, to ensure:
 - the audit evidence is verifiable
 - the audit conclusions are repeatable

For the auditee:

- remain available
- do not try to hide the truth
- do not be afraid of the answers
- objectively accept the nonconformities found
- be aware of participating in the improvement of the QMS by being:
 - benevolent and
 - cooperative

An auditor cannot audit their own department as:

No-one should be a judge in his own case. Latin proverb



Minute of relaxation. Cf. joke "[The engineer and the shepherd](#)"

4.3 Performance of the QMS

For a quality management system what is of interest is the degree of achievement of objectives or, in other words, performance. The performance of a QMS is measured by its effectiveness and, above all, by its efficiency (see figure 4-2).

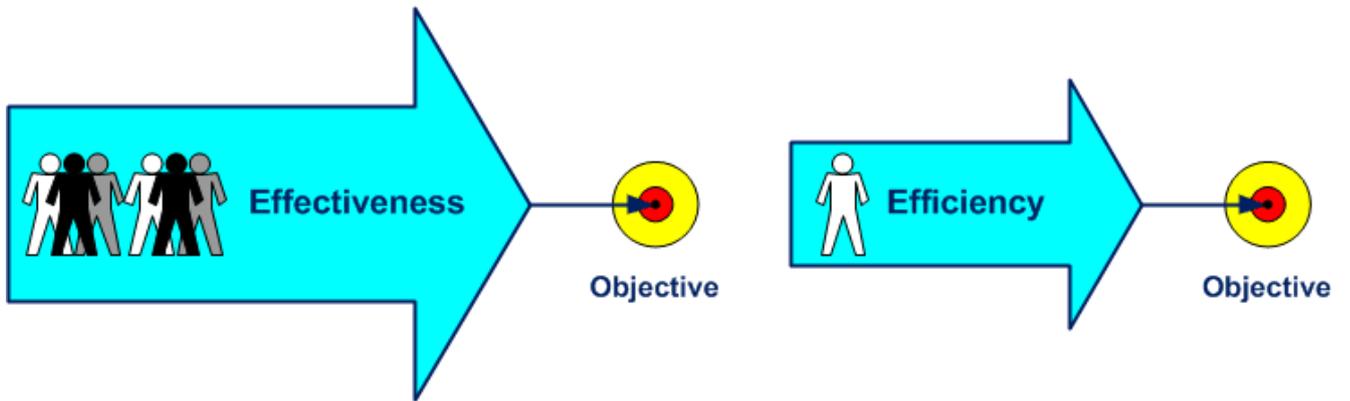


Figure 4-2. Performance of a QMS

Effectiveness: capacity to perform planned activities with minimum effort

Efficiency: financial relationship between achieved results and resources used



N.B. We can be effective because we achieved our objective, but are not efficient if we used too many resources or tolerated and produced too much waste!