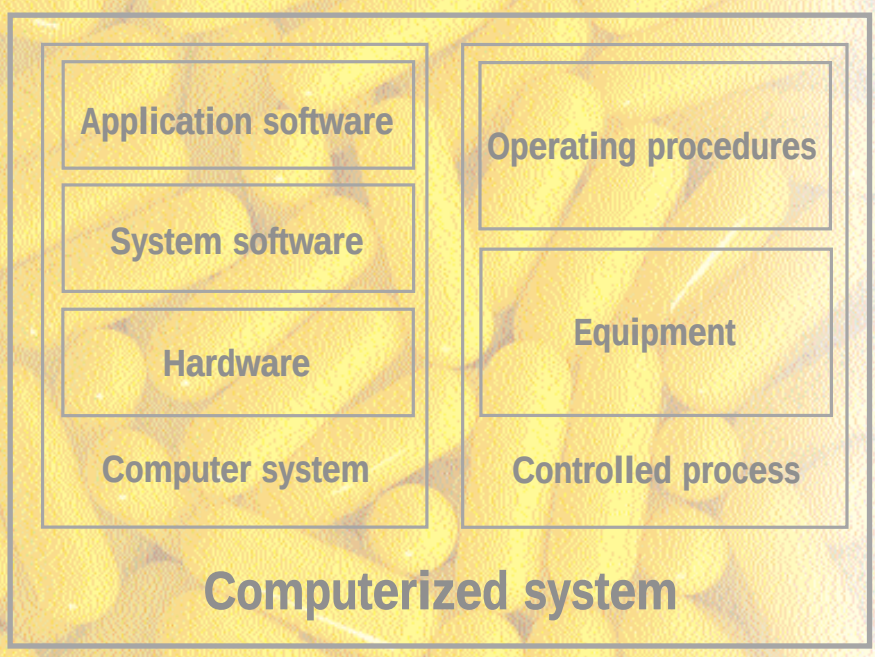
What does IQ mean to you?

What do you associate with DQ, OQ and PQ?

If you automatically associated these acronyms with production system validation, congratulations; no need for you to read on.
If, however, you related IQ to intelligence and were unable to place the remaining acronyms in a specific context, please take a few minutes to continue reading – it will pay off.



What is validation?

By validation of a computerized system we mean a documented verification that a specific computerized system performs according to its specifications. Or, in short: A system does what it is expected to do, and this performance can be documented.

Whose systems ought to be validated?

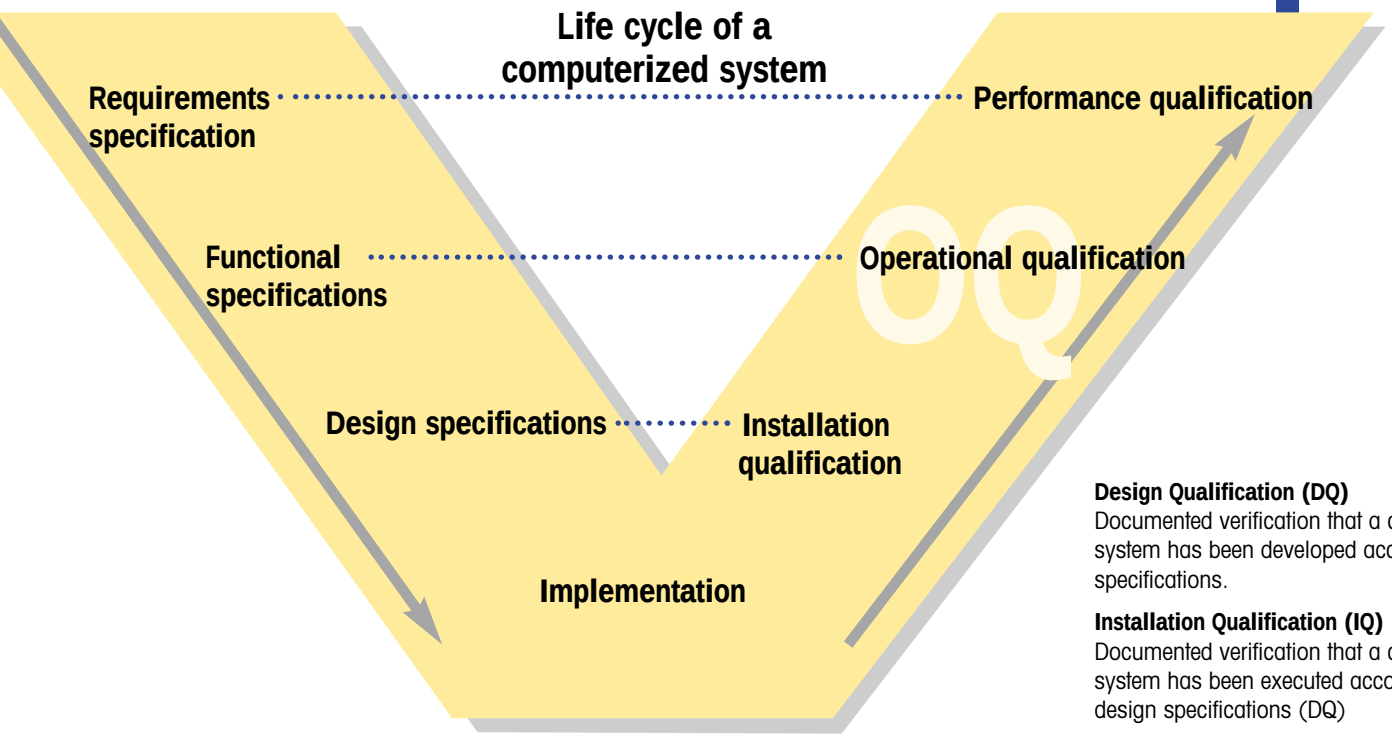
Manufacturers employing GMP critical processes are required to maintain validated systems. In addition to pharmaceutical companies, food and cosmetics manufacturers find themselves increasingly confronted with this new challenge.

Benefits of validation

- Compliance with regulatory requirements
- Minimized risk of malfunction
- Reduction in cost of continuous operation
- Increased knowledge of processes through improved system knowledge
- Greater trust in computerized system

Please turn over for an explanation of the terms DQ, IQ, OQ and PQ, and learn how METTLER TOLEDO can assist you in validating your computerized system.

METTLER TOLEDO



System Validation – A Helping Hand to Maintain Product and Process Quality

Design Qualification (DQ)
Documented verification that a computerized system has been developed according to its specifications.

Installation Qualification (IQ)
Documented verification that a computerized system has been executed according to its design specifications (DQ)

Operational Qualification (OQ)
Documented verification that a computerized system performs as expected, meeting its specifications.

Performance Qualification (PQ)
Documented verification that a computerized system performs as expected, meeting its specifications even under strain in the intended operating ranges.

Check out METTLER TOLEDO's support in these phases of your validation procedures:

METTLER TOLEDO Services	Design Qualification (DQ)	Installation Qualification (IQ)	Operational Qualification (OQ)	Performance Qualification (PQ)	Maintenance Qualification (MQ)
Documentation for standard software		■	■		
Documentation for validation	■	■	■	■	■
Standard software services		■	■	■	■
Validation services	■	■	■	■	■

The following manufacturers are familiar with our validation services. Please contact us to find out more about the specific benefits for you.

Alza Pharmaceuticals, USA
Asta Medica, Germany
Astra Avcus, Sweden
Boots, UK
Dey Labs, USA
Genentech, USA
Holopack International, USA
Knoll, Germany
Merck Mexico de C.V., Mexico
Oranienburger Pharmawerk, Germany
Organon, USA
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