

8.3.3.2 Manufacturing process design input

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The organization shall identify, document, and review manufacturing process design input requirements including **but not limited to the following:**

- a) product design output **data including special characteristics;**
- b) targets for productivity, process capability, **timing,** and cost;
- c) manufacturing technology alternatives;**
- d) customer requirements, if any;
- e) experience from previous developments;
- f) new materials;**
- g) product handling and ergonomic requirements; and**
- h) design for manufacturing and design for assembly.**

The manufacturing process design **shall** include the use of error-proofing methods to a degree appropriate to the magnitude of the problem(s) and commensurate with the risks encountered (see Annex D).

Changes

This is **MODIFIED** requirement w.r.t ISO/TS 16949:2009, Clause No. 7.3.2.2
Manufacturing process design input

Documented Process – Not Mentioned

Documented Information – Required

Explanation

This section expanded the requirement for manufacturing process design inputs

Case Study

See Resource Section Example - Process Design Input & Verification

Activity

Step 1 – Create a detail point checklist of process design inputs

Step 2 – Make sure to review these requirements at the time of process design

Next Lesson

8.3.3.3 Special characteristics