

VISOKA ŠOLA ZA PROIZVODNO INŽENIRSTVO

DIPLOMSKO DELO

**VZPOSTAVITEV PROCESA OBVLADOVANJA INŽENIRSKIH
SPREMEMB PO STANDARDU ISO/TS 16949 V PODJETJU
DANFOSS TRATA D. O. O.**

**ESTABLISHMENT OF ENGINEERING CHANGE CONTROL
PROCESS BASED ON STANDARD ISO/TS16949 IN
COMPANY DANFOSS TRATA D.O.O.**

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POVZETEK

Obvladovanje inženirskih sprememb je ključnega pomena za večino podjetij. V diplomskem delu so predstavljena teoretična izhodišča in praktična realizacija postopka za obvladovanje inženirskih sprememb po zahtevah avtomobilske tehnične specifikacije ISO/TS 16949. Končni izdelek je procedura za obvladovanje inženirskih sprememb, ki se izvaja s pomočjo programske informacijske rešitve. Procedura temelji na osnovah, pravilih, razlogih in praktičnih smernicah, ki nas vodijo k uspešno obvladovani in realizirani spremembi, ter povezuje v celoto poslovno enoto prenosnikov toplote znotraj podjetja Danfoss Trata d. o. o. Jasno definirana pravila za odobritev inženirske spremembe in v naprej definirane verifikacijske in validacijske aktivnosti, ki so temelj za implementacijo spremembe, nam omogočajo popolnoma obvladovano realiziranje inženirskih sprememb. Zastavljeni cilji pri implementaciji procedure za obvladovanje inženirskih sprememb so enostavna, hitra in obvladovana realizacija sprememb, s čimer dosežemo prihranke virov, časa, stroškov in zmanjšamo tveganja na področju zagotavljanja zanesljivosti procesov in nivoja kakovosti izdelkov.

Ključne besede: inženirska sprememba, ISO/TS 16949, verifikacija, validacija, SharePoint

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ABSTRACT

Management of engineering changes is crucial for most businesses. The following graduation thesis presents the theoretical foundations and practical realization of the process for managing engineering changes to the requirements of ISO/TS 16949 automotive technical specifications. The final product is a procedure for engineering change management, which is implemented by software IT solutions. The procedure is focused basics, rules, reasons and practical guidelines that lead us to a successfully controlled and realized change and it connects the whole heat exchangers business unit within the Danfoss Trata d. o. o. Clearly defined rules for the approval of engineering changes and pre-defined verification and validation activities, which are the basis for implementing changes, allow us to fully control the realization of engineering changes. The main aim of the implementation of procedure for the management of engineering changes is easy, fast and controlled realization of change, by which we save time, costs and reduce the risk of lower rate process capability and quality level of products.

Key words: Engineering change, ISO/TS 16949, verification, validation, SharePoint