

1. Record Nr.	UNINA9910788125103321
Autore	Watts Frank B.
Titolo	Configuration management for senior managers : essential product configuration and lifecycle management for manufacturing / / Frank B. Watts
Pubbl/distr/stampa	Amsterdam, [Netherlands] : , : Butterworth-Heinemann, , 2015 ©2015
Edizione	[1st edition]
Descrizione fisica	1 recurso en linea
Disciplina	658.404
Soggetti	Project management Configuration management Manufacturing industries
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Front Cover; Configuration Management for Senior Managers; Copyright; Contents; List of Figures; Preface; Policies and Critical Practices; POLICIES; CRITICAL PRACTICES; PLATINUM POLICY; Chapter One - Introduction; Chapter Two - Why CM; THE DIRTY HALF DOZEN; PROCESS SPEED; THROW IT OVER THE WALL; QUALITY CONTROL FOR ENGINEERING; SUMMARY; Chapter Three - CM System, Where to Start; PROCESS MEASUREMENTS; DISTRIBUTED CM; ORGANIZATION; CHAIN OF COMMAND; CM MANAGER; ISO STANDARDS AND CERTIFICATION; DOD/MILITARY STANDARDS; BEST OF THE BEST PRACTICES; STANDARDS RESPONSIBILITY; PEOPLE REQUIRED FUNCTION NAMERESPONSIBILITIES; REENGINEER OR CONTINUOUS IMPROVEMENT; PLAN TO IMPROVE; SUMMARY; Chapter Four - CM and Software; SOFTWARE'S CURRENT CONDITION; MODERN TREND; PROCESS REDESIGN BEFORE SOFTWARE; CM'S ROLL IN SOFTWARE; WHAT CM SHOULD CONTROL-AND NOT; SOFTWARE (SW) AND FIRMWARE (FW) CONTROL; SUMMARY; Chapter Five - Standard Foundation Blocks; STANDARDS WRITING; GENERAL STANDARDS; ACRONYMS AND DEFINITIONS; PART NUMBERS-SIGNIFICANT OR NOT; CLASS CODING; INTERCHANGEABILITY AND THE PART NUMBER; INTERCHANGEABILITY/PART NUMBER/REV CHANGE; ITEM/DOCUMENT

NUMBERING

INTERCHANGEABILITY DISCUSSED INTERCHANGEABILITY DEFINED; IDEAL PART/DOCUMENT NUMBER; ASSIGNMENT OF PART NUMBER AND REVISION LEVEL; REVISION LEVELS; REVISION CONTROL; PART MARKING; COGNIZANT ENGINEER; APPROVED MANUFACTURERS LIST; DEVIATIONS; SPARE PARTS; PUBLICATIONS; NAMEPLATE/SERIAL NUMBER/LABELS; TRANSMISSIONS TO CUSTOMERS; SUMMARY; Chapter | Six - Signatures on CM Documents; INVOLVEMENT VERSUS SIGNATURE; ONE AUTHOR AND ONE ACCEPTOR; SIGNING THE BOM OR PARTS LIST; JUST IN TIME; WHO OBTAINS SIGNATURES?; QUALITY ASSURANCE ROLE; TECHNICAL RELEASE; SIGNATURE ALTERNATIVES; SUMMARY
Chapter | Seven - Process Improvement PROCESS SPEED-CASE HISTORY; CASE STUDY CHANGE PROCESS REENGINEERING; PROCESS TIME EXPECTATIONS; TEAMS; CHANGE BOARDS; FORMS; CUSTOMER ORDERS; BACKLOGS/WORK IN PROCESS; AGE REPORTS; SUMMARY; Chapter | Eight - Release Process; ENGINEERING AND COMPANY PHASES; PHASES OF RELEASE; RELEASE IN LEAD TIME; LEAD TIME RELEASE PERFORMANCE; TEAM IN RELEASE; SIGNATURES ON RELEASES; RELEASE PHASE CHART; RULES FOR RELEASE; PRODUCT SPECIFICATION RELEASE; CONTRACT/PLANNING PHASE; DESIGN AND DEVELOPMENT PHASE; PILOT PHASE; PRODUCTION PHASE; OBSOLETE; SOFTWARE RELEASE RELEASE PROCESS STANDARDS RELEASE METRICS; RELEASE PROCESS QUALITY; RELEASE PROCESS FLOW; RELEASE TIME AND VOLUME MEASUREMENT; SUMMARY; Chapter | Nine - Bill of Material Process; DESIGN DATA; NEW PRODUCT BOM; PRODUCT COST; PLM AND ERP; ONE BOM ENTRY; OPERATIONS BOM DATA; ENGINEERING-FRIENDLY PARTS LIST; BOM CONTENT; STRUCTURING THE BOM; EVOLVE THE BOM; JUST-IN-TIME BOM; STRUCTURING FIRMWARE AND SOFTWARE; FEATURES AND OPTIONS; THE PERFECT BOM; BOM WORK FLOW; BOM STANDARDS; BOM METRICS; SUMMARY; Chapter | Ten - Request for Change Process; SEPARATE REQUEST PROCESS; DOES YOUR REQUEST PROCESS WORK?
COST REDUCTION AND IMPROVEMENTS

Sommario/riassunto

Configuration Management for Senior Managers is written to help managers in product manufacturing and engineering environments identify the ways in which they can streamline their products and processes through proactive documentation control and product lifecycle management. Experienced consultant Frank Watts gives a practitioner's view tailored to the needs of management, without the textbook theory that can be hard to translate into real-world change. Unlike competing books that focus on CM within software and IT environments, this engineering-focused resource is packed with examples a
