Record Nr. UNINA9910131636803321 **Titolo** Guidelines for defining process safety competency requirements / / Center for Chemical Process Safety, New York, NY Pubbl/distr/stampa Hoboken, New Jersey:,: John Wiley & Sons, Inc.,, 2015 ©2015 **ISBN** 1-5231-0215-2 1-118-79525-3 1-118-79519-9 1-118-79520-2 Edizione [1st ed.] Descrizione fisica 1 online resource (111 p.) Classificazione SCI013060 Disciplina 660/.28 Soggetti Chemical processes - Safety measures Manufacturing processes - Safety measures Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Machine generated contents note: Dedication xi List of Tables xvii Files on the Web Accompanying This Book xix Acronyms and Abbreviations xxi Glossary xxiii Acknowledgements xxv Preface xxvii Executive Summary xxix ORGANIZATION OF THIS BOOK xxix INTRODUCTION 1 1.1 Why process safety competency? 1 1.2 Purpose 2 1.3 Audience 3 1.4 How to Use This Process 4 1.5 Risk Based Process Safety Elements 5 1.6 CCPS Vision 20/20 10 1.7 References 11 2. IDENTIFY PROCESS SAFETY ROLES & COMPETENCY NEEDS 13 2.1 List of generic job roles 13 2.2 List of proficiency levels 18 2.3 List of process safety knowledge/skills 21 3. PROCESS SAFETY COMPETENCY MATRIX 23 3.1 What is the matrix? 23 3.2 How to customize the matrix 25 3.3 Uses of the Matrix 31 3.4 References 38 4. INDIVIDUAL AND ORGANIZATIONAL PROCESS SAFETY COMPETENCIES 39 4.1 Develop organization specific competencies 39 4.2 Assure compliance with regulations 41 4.3 Example Templates and Checklists 44 4.4 References 46 5. ASSESS COMPETENCIES VS. NEEDS 49 5.1 Assessing existing competencies 49 5.2 Training for assessors 50 5.3 Identify Gaps between current status and needs 51 6. DEVELOP GAP CLOSURE PLAN 53 6.1 Methods for

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## Sommario/riassunto

This Guideline presents the framework of process safety knowledge and expertise versus the desired competency level in a "super-matrix" format, vertically and diagonally. The matrix references for potential remedies/required training may be tailored to a company's internally developed training, reference externally available training, or some combination of the two. Chapters include: Identify Process Safety Roles & Competency Needs; Process Safety Competency Matrix; Individual and Corporate Process Safety Competencies; Conduct Assessments vs. Needs; Develop Gap Closure Plans; and Sustaining