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E00 GOOD ENGINEERING PRACTICE (GEP)
ISPE Good Practice Guide

GEP Policy Statement
E00-01-00

E01 CORE CONCEPTS:
E01-01-00 Risk Management
E01-02-00 Cost Management
E01-03-00 Organization & Control

E02 COMMON PRACTICES & SYSTEMS

GENERAL PRACTICES:
E02-01-00 Good Documentation Practices
E02-02-00 Change Management
E02-03-00 Asset Life Cycle Management
E02-04-00 Vendor/Supplier Management
E02-05-00 Internal Audit

STANDARDS & PROCEDURES:
E02-20-00 Standards & Procedures – Admin.
E02-21-00 Standards & Procedures - Design (Material of Construction, Passivation, Drawing & Equipment Control, etc)
E02-22-00 Standards & Procedures – Procurement
E02-23-00 Standards & Procedures – Construction
E02-24-00 Standards & Procedures – Testing
E02-50-00 Equipment Specification Template

E03 PROJECT ENGINEERING & MANAGEMENT

PROJECT MANAGEMENT:
E03-01-00 Phases & Sequence
E03-02-00 Justification Phase
E03-03-00 Initiation Phase
E03-04-00 Planning Phase
E03-05-00 Project Execution Phase
E03-06-00 Verification
E03-07-00 Turnover & Project Closure

Project Quality System:
Download Complementary Flowchart

E03-50-00 Quality System
E03-51-00 Sales Enquiry
E03-52-00 Design Phase
E03-53-00 Procurement Phase
E03-54-00 Construction/Fabrication Phase
E03-55-00 Testing/Commissioning
E03-56-00 Project Handover to Client

E04 OPERATIONS & MAINTENANCE

E04-01-00 Good Documentation Practice
E04-02-00 Engineering Manuals & Records
E04-03-00 Maintenance
E04-04-00 Breakdown Maintenance
E04-05-00 Internal Audit
E04-06-00 Waste Management
E04-07-00 Equipment Decommissioning & Retirement
E04-08-00 Facility & Equipment Inheritance & Recycling

E10 Purified Water System

01 DESIGN + SPECIFICATION:
- Design Guides, Checklist
- User Requirement Specification
- Design – System Sizing

02 CONSTRUCTION:
- Welding Critical Piping

03 TESTING:
- Testing + Commissioning

04 EQUIPMENT QUALIFICATION
- Qualification – IQ, OQ, PQ

05 OPERATIONS MAINTENANCE
- Reduce Sampling Risk
- Maintenance & Records

E20 Engineering Tools

E20-01 Pressure Drop Calculations
E20-02 Engineering GMP Checklist
E20-03 Surface Area Calculation
E20-04 Pipe Flow Calculation

E20-50 Facility Design Guidelines
E20-51 Facility GMP/Engineering Checklist (Sample List)
E20-52 Facility GMP/Engineering Checklist – Architectural
E20-53 Facility GMP/Engineering Checklist – HVAC
E20-54 Facility GMP/Engineering Checklist – Equipment
E20-55 Facility GMP/Engineering Checklist – Process/Utilities
E20-56 Facility GMP/Engineering Checklist - Electrical
E20-57 Facility GMP/Engineering Checklist – Process Control

Contact Us if your requirement is not listed above

E60 Environmental Health & Safety

OCCUPATIONAL HEALTH & SAFETY
- Policy, Guidelines, Procedures
- eg Confined Space Entry
- Lock-Out-Tag-Out (LOTO)

ENVIRONMENTAL TOPICS
PROCESS SAFETY MANAGEMENT
- USA OSHA 1910.119
- HAZOP, Process Hazard Analysis

Contact Us if your requirement is not listed above

Revision			
Rev.#	Date	Description	By

- *** IMPORTANT NOTES: *****
- 1) The main categories contains hyperlinks – to open the webpage.
 - 2) This flowchart is also available in Microsoft Visio format.
 - 3) There are some documents still under construction
 - 4) The drawing is the property & copyright of [GMPTemplates.com](https://gmptemplates.com). Do not copy, distribute or reproduce without prior written permission from [GMPTemplates](https://gmptemplates.com).
 - 5) Related topic and flowchart = [QUALITY MANAGEMENT SYSTEM](#)

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	Model of Good Engineering Practices & Documentation			
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