**JVI5**

**ISA-88/ISA-95/B2MML :**

**Conception Fonctionnelle & Interopérabilité en Contrôle Industriel**

**Comprend**

* **JVI1 - ISA88 et Conception Fonctionnelle du Contrôle-Commande Industriel**
* **JVI2 - ISA95 et Conception Fonctionnelle MES/MOM, Communication avec les Systèmes de Gestion**
* **JVI4 - B2MML/BatchML et Pratique des Interfaces entre Systèmes Informatiques Industriels**

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05/2011

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| Logo_SyFy_50.jpg | Jean Vieille | Logo cours ISA-Fwww.syntropicfactory.info |
| Logo_CCM_simple_80x40.jpg | Research community  | www.controlchainmanagement.org |
| Logo_CCG_simple_80-40.jpg | Consulting group | www.controlchaingroup.com |

**Structure of the documentation**

**1 Overview**

**1 Introduction**

**2 ISA88**

**3 ISA95**

**2 Structure**

**1 PhysicalAsset**

**2 HumanAsset**

**3 InventoryAsset**

**4 KnowledgeAsset**

**3 Function**

**1 EquipmentControl**

**2 PhysicalProcessControl**

**3 PhysicalProcessManagement**

**4 OperationsManagement**

**4 Engineering**

**1 InformationServiceSpecification**

**5 Interoperability**

**1 B2O**

**2 B2MML**

**Program/content**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Files** | **JVI1****ISA88** | **JVI2****ISA95** | **JVI4****B2mmL** | **JVI5****All** |
| 1\_10\_ISA8895\_Overview\_Introduction\_JVI5.docx |  |  |  |  |
| 1\_11\_ISA8895\_Overview\_Introduction\_JVI5.pptx | AM1 | AM1 | AM1 | AM1 |
| 1\_12\_ISA8895\_Overview\_Introduction\_Modeling.pptx | AM1 | AM1 | AM1 | AM1 |
| 1\_22\_ISA8895\_Overview\_ISA88\_Quizz.docx | AM1 |  |  | AM1 |
| 1\_20\_ISA8895\_Overview\_ISA88.pptx | AM1 |  |  | AM1 |
| 1\_21\_ISA8895\_Overview\_ISA88\_Terminology.docx | AM1 |  |  | AM1 |
| 1\_31\_ISA8895\_Overview\_ISA95\_Quizz.docx |  | AM1 |  | AM1 |
| 1\_30\_ISA8895\_Overview\_ISA95.pptx |  | AM1 |  | AM1 |
| 2\_10\_ISA8895\_Structure\_PhysicalAsset.pptx | PM1 | PM1 |  | PM1 |
| 2\_11\_ISA8895\_Structure\_PhysicalAsset\_Figure.pptx | PM1 | PM1 |  | PM1 |
| 2\_12\_ISA8895\_Structure\_PhysicalAsset.xlsx | PM1 | PM1 |  | PM1 |
| 2\_20\_ISA8895\_Structure\_HumanAsset.pptx |  | PM1 |  | PM1 |
| 2\_21\_ISA8895\_Structure\_HumanAsset.xlsx |  | PM1 |  | PM1 |
| 2\_30\_ISA8895\_Structure\_InventoryAsset.pptx |  | PM1 |  | PM1 |
| 2\_31\_ISA8895\_Structure\_InventoryAsset.xlsx |  | PM1 |  | PM1 |
| 2\_40\_ISA8895\_Structure\_KnowledgeAsset.pptx | PM1 | PM1 |  | PM1 |
| 2\_41\_ISA8895\_Structure\_KnowledgeAsset.xlsx | PM1 | PM1 |  | PM1 |
| 3\_10\_ISA8895\_Function\_EquipmentControl.pptx | PM1 |  |  | PM1 |
| 3\_11\_ISA8895\_Function\_EquipmentControl\_ISA5.docx | PM1 |  |  | PM1 |
| 3\_12\_ISA8895\_Function\_EquipmentControl.xlsx | PM1 |  |  | PM1 |
| 3\_20\_ISA8895\_Function\_PhysicalProcessControl.pptx | AM2 |  |  | PM1 |
| 3\_21\_ISA8895\_Function\_PhysicalProcessControl\_OpenBatch.pptx | AM2 |  |  | PM1 |
| 3\_22\_ISA8895\_Function\_PhysicalProcessControl\_Prod2Proc.pptx | AM2 |  |  | PM1 |
| 3\_23\_ISA8895\_Function\_PhysicalProcessControl.xlsx | AM2 |  |  | PM1 |
| 3\_30\_ISA8895\_Function\_PhysicalProcessManagement.pptx |  | PM1 |  | PM1 |
| 3\_31\_ISA8895\_Function\_PhysicalProcessManagement.xlsx |  | PM1 |  | PM1 |
| 3\_40\_ISA8895\_Function\_OperationsManagement.pptx |  | PM1 |  | PM1 |
| 3\_41\_ISA8895\_Function\_OperationsManagement.xlsx |  | PM1 |  | PM1 |
| 3\_42\_ISA8895\_Function\_OperationsManagement\_Example.docx |  | PM1 |  | PM1 |
| 1\_22\_ISA8895\_Overview\_ISA88\_Quizz.docx | PM2 |  |  | AM2 |
| 1\_31\_ISA8895\_Overview\_ISA95\_Quizz.docx |  | AM2 |  | AM2 |
| 4\_10\_ISA8895\_Engineering\_InformationServiceSpecification.pptx | PM2 | AM2 |  | AM2 |
| 5\_10\_ISA8895\_Interoperability\_B2O\_Example-Cartridge.pptx |  | AM2 | AM1 | AM2 |
| 5\_11\_ISA8895\_Interoperability\_B2O\_Example-OperationsSchedule.pptx |  |  | AM1 | PM2 |
| 5\_12\_ISA8895\_Interoperability\_B2O\_Example-OperationsSchedule.docx |  |  | AM1 | PM2 |
| 5\_13\_ISA8895\_Interoperability\_B2O\_Transactions.pptx |  | PM2 | AM1 | PM2 |
| 5\_14\_ISA8895\_Interoperability\_B2O\_Methodology.pptx |  | PM2 | PM1 | PM2 |
| 5\_15\_ISA8895\_Interoperability\_B2O\_Methodology.xlsx |  | PM2 | PM1 | PM2 |
| 5\_20\_ISA8895\_Interoperability\_B2MML.pptx |  |  | PM1 | PM2 |
| 5\_21\_ISA8895\_Interoperability\_B2MML\_Exercise.pptxB2MML-VXXX-Common.xsdB2MML-VXXX-Equipment.xsdB2MML-VXXX-Extensions.xsdB2MML-VXXX-ExtensionsCompany1.xsdB2MML-VXXX-ExtensionsCompany2.xsdB2MML-VXXX-Example 1.xml |  |  | PM1 | PM2 |

 About 1200 slides, 65 spreadsheets