"A day in the life of the S-Series"

International specification for Training analysis and design

Presented by: Stefano Tedeschi

Organization: ISSELNORD Engineering and Technical Support
Purpose

To define all levels of requirements and design data necessary to support product training.

Related to this primary purpose, and a secondary reason for the S6000T specification, is the need to define the relationship of the S6000T specification to all the other S-Series specifications.

S6000T will define the analysis and design and related information exchange governing training development during the life cycle of complex technical products.
Training analysis process flow
Training analysis process flow (1)

- Mission
- Job
- Collective/Individual Task
- Select Task for Training
- Develop Training Strategy
Training analysis process flow (2)

Objectives

Learning analysis

Test

Instructional strategy

Media selection

Learning objectives sequencing

Training system alternatives analysis

Media design

Training systems functional
Organization of the Spec

- Introduction to the specification (Chapter 1)
- Information gathering (Chapter 2)
- Analysis (Chapter 3)
- Design (Chapter 4)
- Human Performance (Chapter 5)
- Terms, abbreviations and acronyms (Chapter 6)
Maintenance concept

- LSA candidate
- Maintenance task analysis (task resource definition)
- Product Usage

Input data requirement

- Change of technologies
- Required skill for maintenance personnel, use of specific support equipment
- Maintenance location, Operating location
How **S1000D** support training

- **DMC extension**
- **SCO Content data module (SCODM)**
- **Learning data module (LDM)**
- **SCORM Content Package Module (SCPM)**

- “Learn Code” describes the “instructional purpose” of the training content.
- “Learn Event Code” describes the branch of the LDM used.

Example diagrams:

- DM to SCO DM: Xpath
- SCPM to WBT: Packaging
Training analysis, design and develop process flow:

Input

Logistic Support Analyses
LSA Candidate
Maintenance Concept
Maintenance tasks
Maintenance Task Analysis
Operating requirement

Human Factor Analysis

- Learning Plan
- Learning Overview
- Learning Content
- Learning Summary
- Learning
- Assessments

- SCOs
- SCORM Content
- Packages

- LORA / ELORA
- LCC
Bicycle brake system – Training information generation (1)

Bicycle – Learning Plan
S1000DBIKE-AAA-D00-00-00AA-921A-T-T20-A

Requirement

Front brake - Remove procedures
S1000DBIKE-AAA-DA1-10-00-00AA-520A-A-T40-C

Learning DM

Front brake - Install procedures
S1000DBIKE-AAA-DA1-10-00-00AA-720A-A-T40-C
Bicycle brake system – Training information generation (2)

Bicycle – Learning Plan
S1000DBIKE-AAA-D00-00-00-00AA-921A-T-T20-A

Requirement

Front brake - Remove procedures
S1000DBIKE-AAA-DA1-10-00-00AA-520A-A

SCO DM

XPATH

Front brake - Remove procedures
S1000DBIKE-AAA-DA1-10-00-00AA-520A-A-T40-C

Front brake - Remove procedures
S1000DBIKE-AAA-DA1-10-00-00AA-520A-A-T4C-C
Bicycle brake system – Training information generation (2)

**Bicycle – Learning Plan**
S1000DBIKE-AAA-D00-00-00-AA-921A-T-T20-A

**Front brake - Install procedures**
S1000DBIKE-AAA-DA1-10-00-00AA-720A-A-T40-C

**SCO DM**

**Requirement**

**Front brake - Install procedures**
S1000DBIKE-AAA-DA1-10-00-00AA-720A-A-T4C-C
Bicycle brake system – Training information generation (3)

- **Bicycle – Learning Plan**
  S1000DBIKE-AAA-D00-00-00-00A-921A-T-T20-A

- **Requirement**

- **Learning DM Assessment**

- **Front brake - Assessment**
  S1000DBIKE-AAA-DA1-10-00-00AA-999A-A-T80-E
Bicycle brake system – Training information generation (4)
Bicycle brake system – Training information generation (5)

Front brake- Maintenance training course
S1000DBIKE-AH019-00001-01

Template
Stylesheet
Sequencing information

WBT

Usage

SCPM

Packaging

Publishing

Learning Management System LMS
More information?

Please visit: www.s6000t.org

Contact: stefano.tedeschi@isselnord.it
phaslam@oneil.com