MIL-STD-1553 API

Programming Training and Video Tutorial

The ▶ **MIL-STD-1553** API Video Tutorial guides users through the required steps and procedures to write their own C applications based on the AIM MIL-STD-1553 BSP Application Interface Library. The API is part of the AIM MIL-STD-1553 Board Software Package (BSP).

The video provides detailed information as to the design and structure of the BSP and the procedures during the installation and un-installation process.

It introduces the user to the different software levels (API/ DLL, system driver, target software, firmware) and all connections between them. It also explains the special Device Software Stack for Ethernet based modules and outlines what needs consideration when using them.

The training guides you through the general and the specific Bus Monitor (BM), Bus Controller (BC) and Remote Terminal (RT) API function groups. Each functional group is accompanied by a practical, so-called LAB exercise, designed to enhance and refine the theoretical knowledge acquired, similar to an on-site training workshop.

The chapters are designed to be followed consecutively and to use the exercises in order to gain a full understanding of the API and it's features.

The video training contains following chapters:

- BSP Introduction
- ANET1553 Introduction
- General Functions
- BM Programming
- BC Programming
- RT Programming

Technical Data

Total Duration Video Material: approx. 2,5hrs
Duration of the LABs is dependent on the trainee's skill level and C-programming experience:
typ. 15hrs.

The LABs are based on projects for Microsoft Visual C to be executed in Microsoft Windows environment. (C-programming knowledge by trainees required, suitable AIM interface board is required).

Ordering Information

Please contact your local AIM Office or Representative:
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