

SIG IEC 61499

Inaugural meeting

2011-06-30 in Nuremberg (CiA Office)

1. Participants

CiA members	
Roland Göttle	Epis
Tobias Nowak	Epis
Carlos Paiz	Weidmüller
Guests	
Frederic Brassard Desy	Isagraph
Arnold Kopitar	NXT Control
Horst Mayer	NXT Control
Holger Zeltwanger	CAN in Automation
Apologized	
Udo Ahlvers	Wachendorff
Dr. Thomas Strasser	Austrian Institute of Technology
Antonio Valentini	-
Dr. Alois Zottl	Austrian Institute of Technology

2. Welcome and introduction

Mr. Zeltwanger welcomed the experts. The experts introduced themselves briefly in a roll call. Mr. Zeltwanger introduced briefly the history of CANopen and IEC 61499.

3. Demands and requirements

The experts discussed the demands and requirements for the programming of CANopen-based networks using IEC 61499. It was agreed to support the integration of non-programmable CANopen devices as well as CANopen devices programmable in IEC 61131-3 languages.

The experts agreed to provide some IEC 61499 functions blocks in C/C++ for basic communication functions for free-of-charge download for CiA members.

Actions:

- a) CiA office releases a PR about the SIG inauguration.
- b) All experts submit proposals by mid of September.
- c) CiA prepares WDPs before the next meeting.

4. Scope and work-plan

The experts agreed on the following scope:

“The CANopen SIG IEC 61499 develops and maintains the mapping specification of IEC 61499 service interface function blocks (SIFB) to CANopen communication services. It is also intended to provide mappings for the parameterization and configuration of CANopen devices that implement CiA specified profiles. In addition, the interoperability between IEC 61499 devices is standardized.”

It is planned to develop a three-part specification for IEC 61499 programmable CANopen devices.

- Mid of September 2011: Submission The experts agreed on the following work-plan:

- November 2011 (SPS/IPC/Drives) : First Work Draft

- Mid of summer 2012: Final Work Draft

- November 2012 (SPS/IPC/Drives) : Publication as Draft Standard Proposal

5. Chairman election

Mr. Nowak was elected unanimously as chairman. He accepted the election.

6. Next meetings

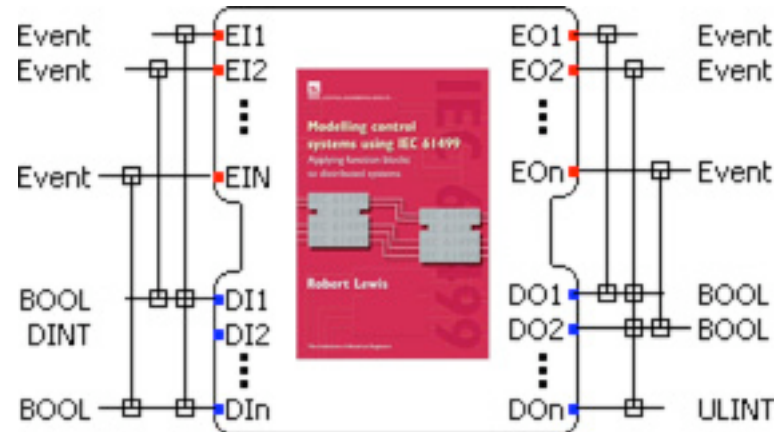
2011-10-13: Regular SIG meeting (discussion of the submissions and the first Work Draft Proposals)

2011-11-28: Regular SIG meeting (discussion of the Work Drafts)

Author: Holger Zeltwanger

Date: 2011-07-01

Inaugural meeting



CANopen SIG IEC 61499

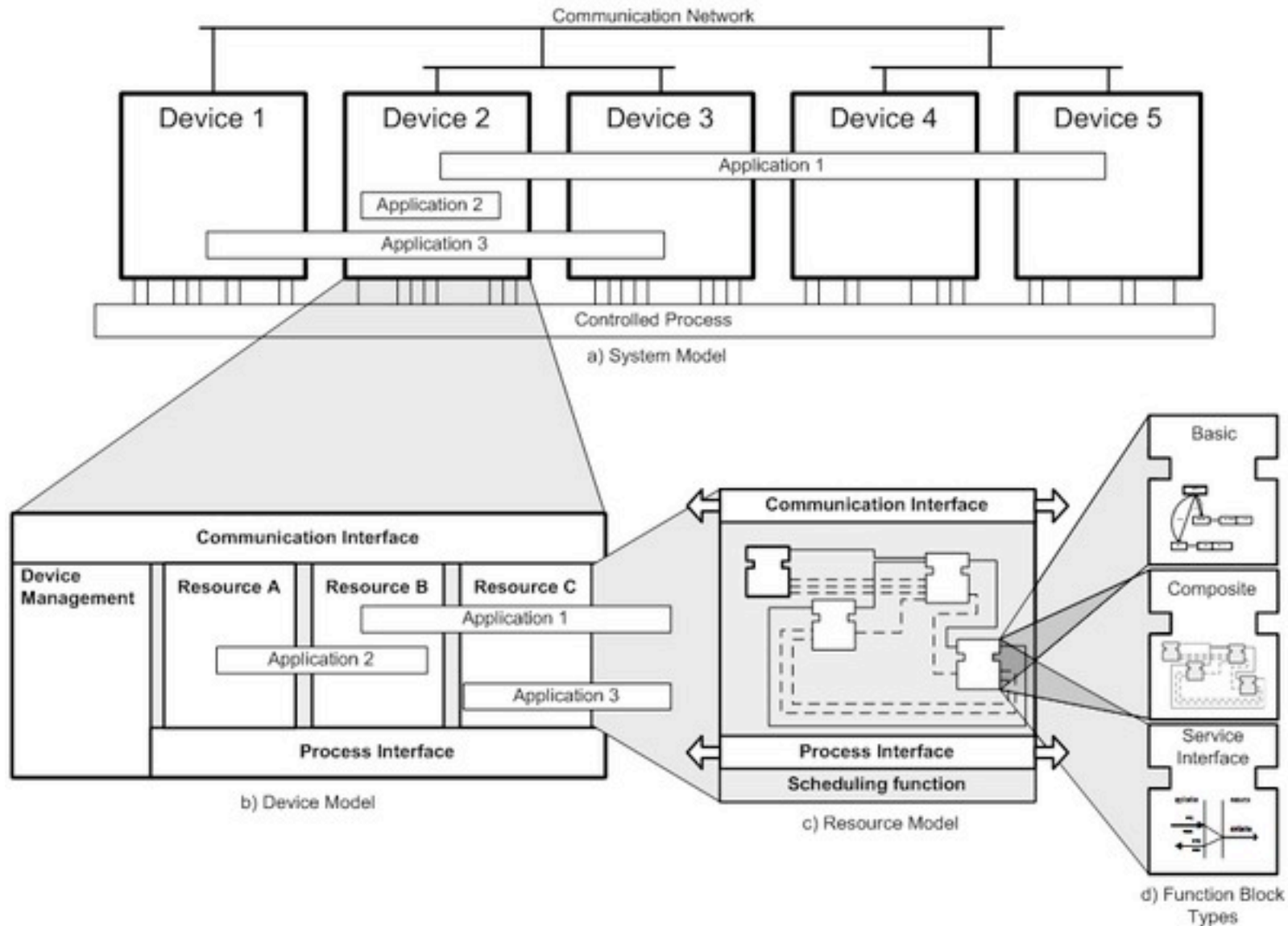
- Introduction
- Demands and requirements
- Scope and work-plan
- Chairman election
- Next meeting

CANopen history

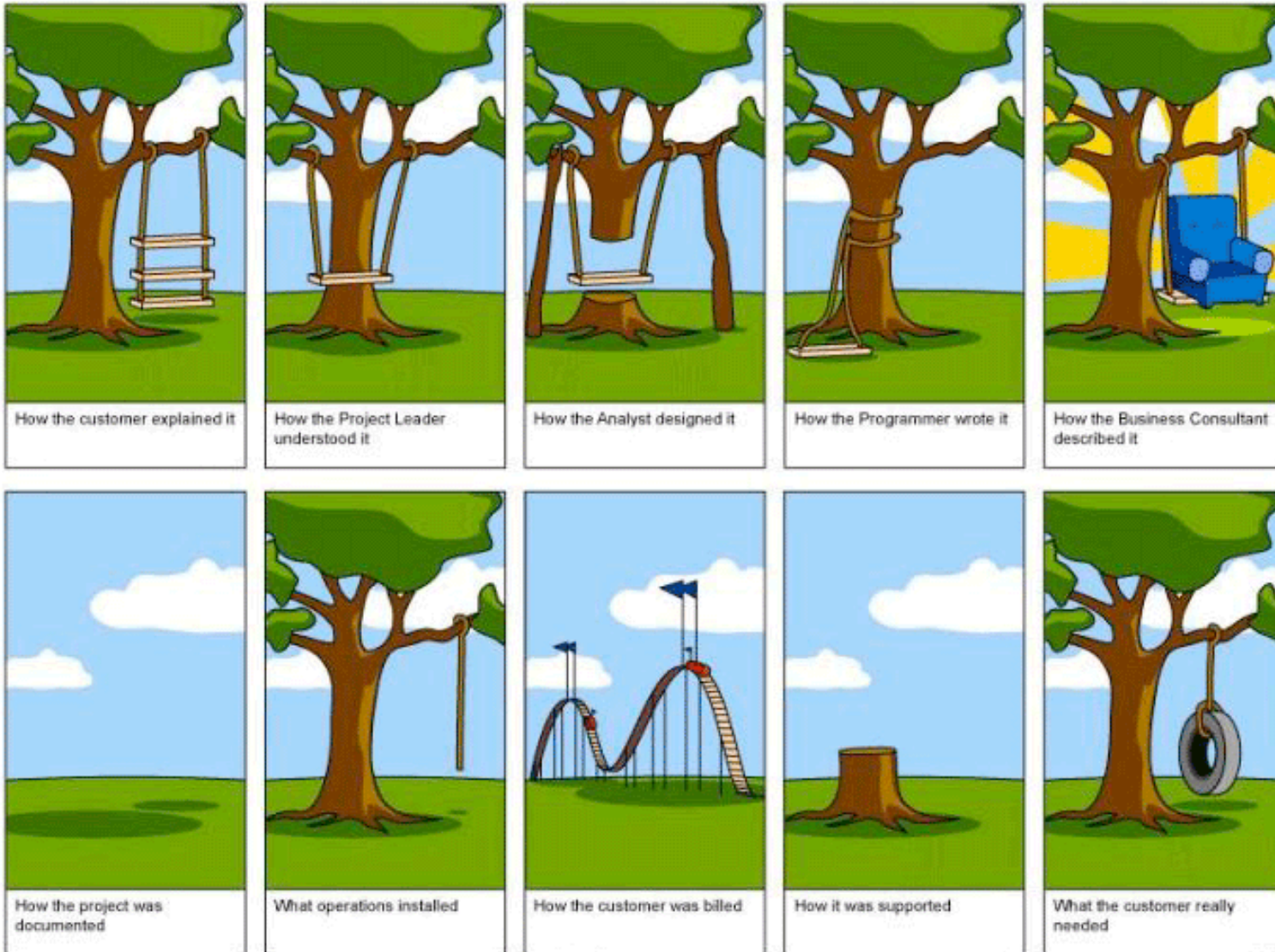


- 1993: ESPRIT project ASPIC (CAL-based communication profile)
- November 1994: CAL-based communication profile version 1.0
- January 1995: CAL-based communication profile version 1.1
- September 1995: CANopen CiA 301 version 2.0 (DSP)
- October 1996: CiA 301 version 3.0 (DS)
- June 1999: CiA 301 version 4.0 (DS)
- November 2007: CiA 301 version 4.2 (DSP)

Mapping to CiA 301/302

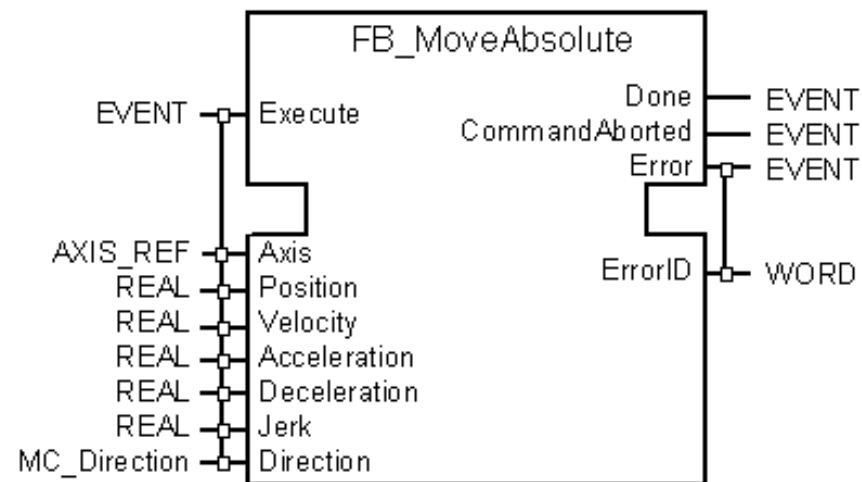


Demands and requirements



Scope

The CANopen SIG IEC 61499 develops and maintains the mapping specification of IEC 61499 service interface function blocks (SIFB) to CANopen communication services. It is also intended to provide mappings for the parameterization and configuration of CANopen devices that implement CiA specified profiles. In addition, the interoperability between IEC 61499 devices is standardized.



Work-plan



- **November 2012:** Publication as Draft Standard Proposal
- **Mid of summer 2012:** Final Work Draft
- **November 2011:** First Work Draft
- **September 2011:** Submission

Tasks of the chairman



- **Chairing the meetings**
- **Pre-proofing the meeting minutes**
- **Scheduling the meeting dates and locations**
- **Informing interested third parties**
- **Mentoring in case of conflicts between group members**
- **Representing the group in other CiA groups**
- **Communication link to CiA office (secretaries)**

Next meeting

Meeting 1: 13-10-2011 in Nuremberg
Meeting 2: 28-11-2011 in Nuremberg