



ADASIS AISBL BENEFITS AND STANDARD AVAILABILITY RULES

ADASIS AISBL – BENEFITS AND ADVANTAGES IN BECOMING A MEMBER

ADASIS AISBL members can exclusively:

1. access all ADASIS AISBL documents from its origin to the latest
2. access to a Reference Implementation for the ADAS Horizon Reconstructor (AHR) for ADASIS v2 as well as the new Reference implementation subcontracted to Elektrobit for ADASIS v3.
3. influence the technical direction of the ADASIS standard
4. contribute to future versions of the ADASIS de facto standard, in particular the current one ADASIS v3.0 enabling Automated Driving
5. have immediate access to the last release of the ADASIS protocol / specifications (now ADASIS v3). Non ADASIS member will receive upon request only the one before last major ADASIS specifications version.
6. gain knowledge on ADASIS implementation and related activities from other members
7. access and use interoperability test cases in order to perform compliance test (still under development), as a consequence
 - a. compliance to ADASIS can only be claimed by ADASIS members
 - b. validation of ADASIS solution for non-members are more difficult and potentially risky

ADVANTAGES OF THE ADASIS PROTOCOL

1. ADASIS represents an efficient protocol to transmit most important and additional relevant information like road geometry ahead the vehicle etc. to different independent devices in car.
2. The ADASIS protocol has been proven successfully according performance, interoperability and technical feasibility. Different OEMs and suppliers have ADASIS products already on market.
3. Since the ADASIS protocol is already established, the implementation, integration and verification phases can be reduced to a minimum. ADASIS Provider and Reconstructor(s) can be implemented independently at the same time leading to reduced development time!
4. Using the ADASIS protocol also reduces cost and development risk since the protocol implementation is already established and available as a de facto standard.
5. Just minor adaptations are needed to bring a specific implementation into another system.
6. ADASIS protocol is independent of physical bus system.
7. User specific profiles give enough space to establish customer specific features and to establish unique selling points.
8. Two ADASIS Reference Reconstructors are available for ADASIS AISBL members only and can be used in a smart way to verify the ADASIS Provider functionality, these are for versions:
 - a. ADASIS v2.x
 - b. ADASIS v3.x

Availability table (ADASIS v2)

Deliverable	Format	ADASIS Members	Suppliers* of ADASIS Members	Customers** of ADASIS Members	General Public ***
Av2 Protocol	PDF Document	Yes	Yes	Yes	Yes , but with 1 year delay
Av2HR–C API	PDF Document (header files)	Yes	Yes	Yes	No
Av2HR-C binaries	Lib (Win32, Linux, QNX...)	Yes	Yes	Yes	No
Av2HR-C PTT source	Source code	Yes	Yes, but only if business project with ADASIS Members	Yes, but only for Research & Development	No
Av2HR-C source (+documentation)	Source code	Yes	Yes, but only if business project with ADASIS Members	Yes, but only for Research & Development	No

* OEM / supplier having contracted relationship

** ADASIS member selling ADASIS related product to non- ADASIS member

*** Includes indirect business relationship (linked to ADASIS trademark - pending)

Note: all ADASIS AISBL documents are Copyright protected

Availability table (ADASIS v3)

Deliverable	Format	ADASIS Members	Suppliers* of ADASIS Members	Customers** of ADASIS Members	General Public***
Av3 Protocol: A) specification doc B) Reference doc	PDF Document	Yes	Yes, but only within the frame of the contract between both companies	Yes, but only within the frame of the contract between both companies	Yes , but with 1 year delay
C) Franca IDL files (automatically generated)	franca fidl files	Yes	Yes, but only within the frame of the contract between both companies	Yes, but only within the frame of the contract between both companies	Yes , but with 1 year delay
D) Sample code generator (HERE)****	C++/Java Code	Yes	No	No	No

* OEM / supplier having contracted relationship

** ADASIS member selling ADASIS related product to non- ADASIS member

*** Includes indirect business relationship (linked to ADASIS trademark - pending)

**** Joined work of WG2 mainly provided by HERE

The Reference Implementation developed by Elektrobit under ADASIS AISBL sub-contract is for exclusive use by ADASIS AISBL members

To use the reference implementation an additional contract agreement with a supported ADASIS map supplier need to be established.

Contract has to indicate a non-disclosure use of the ADASIS deliverable.

Comments:

- A. specification document (PDF format) -> contains rules and explanation, how to use ADASIS v3
- B. reference document (PDF format), seen as attachment to specification -> contains list of all messages, profiles and their members
- C. franca IDL files (franca fidl files) -> description of all profiles and messages in IDL which can be converted into specific programming language
- D. sample code generator (C++/Java Code) -> coverts franca code into C++ code

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