



The Hermes Standard
for "M-to-M" in SMT Assembly

Minutes of meeting
The Hermes Standard Initiative
2nd Initiative Meeting
13th November 2017

Minutes of Meeting – 2nd The Hermes Standard Initiative Meeting

Date: 13th November 2017
Venue: Munich, Productronica room B11, hall B1
Minutes: Thomas Bliem, Chair of the initiative

Participating companies in alphabetical order

ACHAT Engineering GmbH	MIRTEC
ASM AS GmbH	MYCRONIC (including Vi Technology)
ASYS Automatisierungssysteme GmbH	OMRON
CYBEROPTICS	PARMI
ERSA GmbH	PEMTRON
eXelsius	Rehm Thermal Systems GmbH
GÖPEL electronic GmbH	RG Elektrotechnologie
HELLER Industries	SAKI Corp
IPTE	SMT Thermal Discoveries
ITW EAE	SPEA S.p.A
KIC	VISCOM AG
KOH YOUNG Technology Inc.	ViTrox
Kulicke & Soffa	YXLON
Nutek Europe B.V.	

Initiative members not present in the meeting

OMRON Corporation	YJ Link Co., Ltd.
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The Hermes Standard for vendor independent machine-to-machine communication in SMT Assembly.

Agenda

November 13th – Introduction for new members @ room B11 in hall B1		
Welcome	Thomas Bliem Director Product management, ASM AS	9:00
Introduction of participants and companies including collection of the different expectations	All participants in max. 3 minutes per company	9:15
Introduction to the standard & technical considerations regarding version 1.0	Leif Reichert Director R&D Software, ASM AS	10:00
Introduction to The Hermes Standard Initiative approach and agreed initiative principles	Rüdiger Fischer, ASM AS Legal Counsel, ASM AS	11:00
Evolvement of the standard over time	Gerd Kainz, ASM AS Process & Technology Expert, ASM AS	11:30
November 13th – The Hermes Standard Initiative meeting @ room B11 in hall B1		
Welcome <ul style="list-style-type: none"> • Introduction of new Initiative members • Recap Kickoff meeting in March 2017 • Joint activities since then (website, process, ...) 	Thomas Bliem	13:00
Status per company (optional) <ul style="list-style-type: none"> • Status of implementation • Learnings (technical / process) • Planned next steps (e.g. customer field tests) 	All participants in max. 3 minutes per company	14:00
The Hermes Standard at Productronica <ul style="list-style-type: none"> • Joint marketing (press / signage / ...) • Related exhibits and activities at Productronica 	Stefan Förste Marketing, ASM AS	15:00
<i>Coffee break</i>		
Technical issues & decisions <ul style="list-style-type: none"> • Process: Using the members web-forum • Protocol extensions (presentation and selection) • Outlook: Next versions 	Gerd Kainz	16:00
Organizational Issues & decisions <ul style="list-style-type: none"> • Election of chair • Next meeting 	Thomas Bliem	17:00
Wrap-up and end of meeting @ 18:00	Thomas Bliem	17:30
November 14th – The Hermes Standard global market launch event		
The global market launch event for the press will take place in hall A1 / Speakers Corner from 13.30 onwards including photo shooting of all members	All members are invited	13.30 to 14.00



General Information	Who	When
All presented material can be downloaded from the members area of the initiative homepage: https://members.the-hermes-standard.info/download/		
The 3 rd initiative meeting will be held shortly before Nepcon Shanghai 2018 in Shanghai in order to minimize the overall traveling effort and to synchronize the activities for the fair. The invitation including a first draft of the agenda will be sent out 12 weeks before the meeting.	Mr. Bliem	Latest 12 weeks upfront
Morning session: Introduction for new members (Nov 13th, 9:00 - 12:00)		
<p>In the morning session an introduction of the Hermes Initiative principles as well as the Hermes Standard interface description to the 12 new members took place.</p> <p>The common understanding of the The Hermes Standard Initiative has been presented to the new members and agreed. In a nutshell:</p> <ul style="list-style-type: none"> • Open collaboration for developing a common standard. • The initiative members want to articulate common interests and help all market participants offer their customers uniform and efficient Industry-4.0-solutions. • The initiative is neither a legal nor a commercial subject. There is no profit motive. • The participants in the meetings do not want to establish a company and do not want to enter into any contractual obligations. • Every equipment vendor interested can join. No one shall be excluded. • The participants agreed that all legal consequences and the provisions of the German Civil Code Sec. 675ff and 705 ff are excluded. 		
Afternoon session: The Hermes Standard Initiative meeting (Nov 13th, 13:00 - 18:00)		
<p>Review of last minutes of meeting</p> <p>The 2nd initiative meeting started in the afternoon with the review of the last minutes from the kickoff-meeting held in March 2017. Only open point is to amend WIKIPEDIA in order to explain the targets of the standard as well as the setup of The Hermes Standard Initiative to the public. This action item shall be closed within the next month.</p>	Mr. Mittermair (REHM)	Ongoing
<p>Test driver for interface pre integration</p> <p>A short discussion regarding the existing test driver took place. Currently, the test driver can:</p> <ul style="list-style-type: none"> ▪ Simulate any number of upstream and downstream lanes ▪ Receive manual input to send any conceivable (well-formed) message and transit to any (legal) state ▪ Check the validity of incoming messages and states <p>Extension plans:</p> <ul style="list-style-type: none"> ▪ Editing of messages before sending, e.g. to insert spaces 		



<ul style="list-style-type: none"> ▪ Set/Get the configuration of an equipment ▪ Evolve towards a (semi-automated) acceptance test <p>Mr. Reichert from ASM committed to keeping the test driver up to date with The Hermes Standard. (An updated test driver based on the decisions made in the 2nd meeting is already available in the download area.</p>	Mr. Reichert (ASM)	Done
<p>Welcome new members</p> <p>The introduction of the 12 new members to the existing members took place. The initiative now consists of 28 companies. More companies are in the decision making process and will join in the next meeting already.</p>	New members done	Done
<p>Status update</p> <p>A verbal status update per company took place.</p>	All parties	Done
<p>The Hermes Standard at Productronica</p> <p>Mr. Förste (ASM) introduced the communications concept for the Productronica and the joined Go-Live ceremony.</p>	Mr. Förste	Done
<p>Technical issues & decisions</p> <p>The following technical decisions have been taken:</p> <ol style="list-style-type: none"> 1. Add Top and Bottom clearance height attribute to Board Available message (NUTEK) Result: accepted / Revision 2. When already connected to a downstream machine, reject new connection attempts (ASM) Result: accepted / Revision 3. Specify the BoardId to be a true globally unique identifier (GUID/UUID) (ASM) Result: accepted / Revision 4. Remove BoardIdCreatedBy from StartTransport, StopTransport, TransportFinished (ASM) Result: accepted / Revision <p>The amended version 1.0 is now available on the Hermes Standard homepage as Rev. 1</p>	All present parties	Done
<p>Organizational Issues & decisions</p> <p>Voting regulations</p> <p>The majority of the members confirmed that the voting regulation shall not be changed. Only members present in the meeting can vote.</p> <p>Next meeting location</p> <p>The majority of the members voted to conduct the next meeting in Shanghai shortly before NEPCON, end of April 2018.</p> <p>Host of the next meeting in Shanghai</p> <p>The host of the meeting is not determined yet. If your company would like to host the next meeting please contact the chair.</p>	<p>All present parties</p> <p>All present parties</p> <p>All members</p>	<p>Done</p> <p>Done</p> <p>Open</p>



<p>Chair for the next period until Productronica 2019 ASM AS has been confirmed as chair of the initiative until the next election. Within ASM AS, Mr. Thomas Bliem will hold this position.</p>	<p>All present parties</p>	<p>Done</p>
<p>The Hermes Standard meets CfX / IPC Mr. Jason Spera (Chair of the IPC CfX Standard) proposed a meeting between the Hermes Standard initiative and IPC / CfX. Jason’s goal is to define a bridge from line to factory level e.g. The Hermes Standard (THS) to CfX bridge. All members agreed that such a discussion shall take place. In addition some members remarked that CfX is only one of the emerging factory standards and the bridges from THS to SECS/GEM, OML, other interfaces from line to MES will be needed as well.</p>	<p>All present parties</p>	<p>Done</p>

