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SLGAT Circulation

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4 November 2009

## Standards Liaison Group for Automatic Test

Dear All,

Please find attached the minutes of the 2009-2 SLGAT Meeting held at Hartham Park, Corsham on 29 October 2009.

If you have any comments please let me know so that I can take the appropriate action before the next meeting.

Yours sincerely,

Ashley Hulme  
Test Support Manager



# MINUTES

## Standards Liaison Group for Automatic Test

### 2009-2 Meeting

29 October 2009

Venue: Hartham Park, Corsham  
Start: 10:00 am  
Chair: Malcolm Brown DE&S – Head of ATS  
Secretary: Ashley Hulme EADS TEST ENGINEERING SERVICES (UK) Ltd

#### Those present:

Rob	Allerston	DSG
Roland	Andrews	DiagnoSYS Ltd
Dave	Bradbury	MBDA (UK) Ltd
Steve	Brenner	Terotest Ltd
Keith	Ellis	AKE Consultants
Phil	Gilham	Rohde & Schwarz UK Ltd
Chris	Gorringe	EADS TEST ENGINEERING SERVICES (UK) Ltd
Steve	Kelly	DSG
Spike	Milligan	DE&S – ATS Organisation
Colin	Sycamore	Intepro Systems
Simon	Tanner	Intepro Systems
Ian	Tonge	Serco Technical and Assurance Services
Alain	Vervin	Teradyne Ltd
Jochen	Wolle	Rohde & Schwarz GmbH & Co. KG

## 1. APOLOGIES

Apologies for absence were received from:

Chris	Ansell	DiagnoSYS Ltd
Alex	Barrett	Raytheon Systems Ltd
John	Binding	AV & AIR EW IPT (RAF)
Pete	Cassidy	DSG
Dave	Joel	Lanson Consultants Ltd (for Indra Sistemas)
Andrew	Parkinson	Teradyne Ltd
William	Sinclair	SELEX GALILEO
Terry	Tinsley	Aeroflex Test Solutions

## 2. CHAIR'S INTRODUCTION

The Chair opened the meeting with a round of introductions and welcomed the new members.

His department is part of the Joint Support Chain and his major responsibility is developing policy for ATS and Test & Measurement for the Support Solution Envelope. A rewrite of JSP 886 is in progress, which will include new policy information in Volume 7 Part 8.06.

The new OSA standard will be part of Def Stan 66-31 Part 8.

Note—new email address for Malcolm Brown. His Post email address has changed once again and is now [desjsctls-pol-tm-ats@mod.uk](mailto:desjsctls-pol-tm-ats@mod.uk).

### 3. REVIEW OF MINUTES OF LAST MEETING

The minutes of the 2009-1 meeting were reviewed for content and accuracy. The incorrect date in the title was corrected. With that change, the minutes and were accepted as an accurate record of the meeting.

### 4. IEEE SCC20 2009-2 (ANAHEIM) MEETING

SCC20 met in Anaheim between the 12 and 13 September 2009. Following the opening plenary all four subcommittees met: TAD, DMC, TII and HI. There was only one steering meeting, in which the subcommittee Chairs gave their reports.

#### Steering Committee

The Chair presented information about changes in the Policies and Procedures required by the IEEE. He had prepared a draft for each subcommittee which would form the basis of a revision of each of the operating procedures. Most subcommittees adopted these with minimal changes.

The Chair underlined the amount of work required to update all the ATML trial use standards as they fell due over the next two years. This is because a Trial Use standard only has a life of two years.

Each subcommittee made a brief report about the status of the standards and revisions under their care.

There were no formal actions for this steering meeting requested by the subcommittees, which only left the nomination of the Chair and election of officers within SCC20. These are as in the table below.

SCC-20 Chair	Mike Seavey	
SCC-20 Vice Chair	Chris Gorringe	
SCC-20 Secretary	Dave Droste	
DMC Co-Chairs	John Sheppard	Tim Wilmering
TAD Co-Chairs	Ashley Hulme	Ion Neag
TII Co-Chairs	Teresa Lopes	Chris Gorringe
HI Co-Chairs	Dave Droste	Mike Stora
Admin Co-Chairs	Mike Seavey	John Sheppard

#### Location and date of next SCC20 meeting (2010-1)

It is planned to hold the next SCC20 meeting in Piscataway, NJ, at the IEEE offices, during the week of April 12-16.

The minutes of the steering committee are on the SCC20 website, at the following address: <http://grouper.ieee.org/groups/scc20/>

## **Test and ATS Description Subcommittee**

The TAD minutes are available on the SCC20 website

### IEEE Std1671.1, ATML Test Description

IEEE Std1671.1 was approved by the Standards Board on September 10. The draft will now be passed to an IEEE professional editor for detailed editing prior to its eventual publication.

The ATML Test Description working group met to discuss various issues that had arisen and will need to be considered when the standard is revised after its two year trial use period. Note that the two year period starts immediately on approval, not from the publication date, which is usually several months after approval. Detailed information on the discussion is available in the TAD minutes on the SCC20 website.

### Revision of 1641

The completed draft was uploaded on the 24th August to initiate the ballot process. However, the IEEE did not start the ballot despite several emails to IEEE staff. Following the personal intervention of Mike Seavey (SCC20 Chair), who was at the IEEE for a Standards Board meeting, the ballot was opened on 11 September.

### Reaffirmation of IEEE Std 771

The IEEE Std 771 reaffirmation ballot was completed successfully and is on the December RevCom Agenda.

### Revision of IEEE Std 1641.1

The subcommittee agreed that the 1641 User's Guide should be revised to ensure any of the changes to the revised 1641 standard are reflected in the guide. The Co-Chair (Ashley Hulme) undertook to present a PAR at the 2010-1 SCC20 meeting.

## **Diagnostics & Maintenance Control Subcommittee**

IEEE Std 1445 (DTIF) had a successful reaffirmation ballot in September and has now been submitted to RevCom for approval.

P1232 (revision of AI-ESTATE) was balloted in April of this year and is still undergoing ballot resolution. There was a 22% negative ballot, which means there is considerable work to do. The PAR will require an extension in order to complete the resolution and recirculation ballot. Note this standard contains an information model but no XML.

P1636.2 (Maintenance Action Information) was balloted in 2008 and is under ballot resolution. This had a negative ballot rate of 25% which has also meant that some considerable effort is required to work through the issues. This draft standard has an information model and XML. The XML is not part of the ATML suite.

A new PAR was created for 1636.1 Test Results. This was not ready for presentation to Steering so an electronic will be called for Steering to review and approve PAR.

## **Hardware Interfaces Subcommittee**

The HI subcommittee met to discuss the revision to 1505 and the fact that 1505.1 was coming to the end of its trial use period.

## Revision of 1505

The source documents have been lost and the subcommittee is having to work from a PDF copy of the previously published standard. This has caused many problems with formatting, graphics etc.

There was also some discussion about the addition of connector types, multi-tier adaptors and keying. Further information is available on the SCC20 website.

## IEEE Std 1505.1 (CTI)

The Co-Chairs recommended to the subcommittee that the Trial Use standard is ratified as a full use standard without change. Any changes may be discussed in a possible full revision with the normal five year cycle.

## **Test Information Integration (ATML) Subcommittee**

The TII subcommittee met briefly during SCC20 2009-2 to approve the new Policies and Procedures document. Most of the TII members were involved in the 1641 meeting and input for the ATML demonstration at AUTOTESTCON 2009 and these were the main focus of their efforts.

## **SCC20 Electronic Steering Meeting**

An electronic Steering committee meeting was held starting October 9 to review and approve the PAR for 1636.1. This was previously understood to be the ATML standard for Test Results.

The PAR for a revised standard made it clear that it was not to be an ATML standard, but would refer to the IEEE1636 information model. There was some discussion about this as it was not understood by all members why a standard that had been introduced into SCC20 by the ATML group was no longer to be an ATML standard. The members were assured that DMC knew best and that it would still work with the ATML standards. The motion to submit the PAR to NesCom was approved by a majority vote.

## **5. AUTOTESTCON 2009**

### **ATML Demonstration—Readiness for Use**

The overview of the ATML Demonstration – Readiness for Use was presented. The key aspect was that the demonstration allowed over 15 companies to show their ATML products under a common demonstration.

### **1641 and ATML Papers Presented**

There were a total of around 8 ATML and 7 1641 papers presented during the course of the technical sessions, and not all of them were by members of SLGAT.

A brief overview of the papers presented was given. It was agreed to put the papers on the TAD website in the password protected area. The password will be circulated to all those interested by the secretary.

## 6. REPORT ON P1641 BALLOT

### Ballot Results

The ballot was completed successfully after the delays introduced by the IEEE. The results were as follows:

Number of eligible balloters: 44  
Number of votes received: 38 = 88% returned (i.e. > 75% requirement)

Affirmative votes received: 33 = 94% approval (i.e. > 75% requirement)  
Negative votes received: 2  
Sub-total; 35

Abstentions: 3  
Overall total: 38

Note: approval rate is affirmative votes as a proportion of total affirmative & negative votes received.

This means that the draft standard has met its requirement. However, we have received a lot of comments from both affirmative & negative balloters, which will inevitably mean that substantive technical changes will occur. This in turn will give rise to a recirculation ballot. The recirculation ballot can be a 10 day ballot. We are planning to update the standard draft before the end of the year so that a recirculation ballot may be achieved in time for a submission to RevCom by the 12 February cut-off date.

### Comments Received

There are a total of 272 comments in IEEE spreadsheet against a total of 285 indicated by the IEEE website. It is believed that their count may have included the comments sent by the IEEE editors during Mandatory Editorial Coordination. Three persons have also indicated that they were sending comments direct to the subcommittee as they didn't have time to send them via the IEEE. All comments will be considered by the subcommittee provided that we receive them in the very near future. The individuals concerned have been contacted to remind them that we are still awaiting their input.

The comments received to-date breakdown as follows:

Editorial	100
Editorial with negative ballot	11
General	24
General with negative ballot	23
Technical	108
Technical with negative ballot	6

The IEEE rules indicate that editorial comments about grammar, punctuation, and style may be passed to the IEEE editors for resolution and do not necessarily need to be resolved during ballot resolution. This means that there are 29 comments that require specific negative ballot resolution, although all comments will be addressed with equal consideration.

The comments will be posted in the protected area of the SCC20 TAD website.

## **7. DRAFT PART 8 TO DEF STAN 66-31**

It was announced that the draft Part 8 to Def Stan 66-31 (OSA) will be ready for recirculation at the end of November. The body of the draft is almost complete after consideration of the comments posted by SLGAT members. The Annex to the draft will contain a model generic requirement specification and compliancy matrix.

The draft will be circulated by the secretary when received.

## **8. ANY OTHER BUSINESS**

1. It was asked whether the use of ATML and 1641 would change the design path and mean more work. It was mentioned that ATML was an information interchange medium and only affected the transfer of information already created. It also introduced some discipline so that the information transferred is more likely to be complete.

2. There was some discussion about 1641 tests. The tests may be written in any COTS carrier language that satisfies the requirements of the standard. The TSF describes the signal in an unambiguous manner.

3. It was mentioned that IEEE Std 488.2 was going to have a reaffirmation ballot. Those who are S.A. members of the IEEE may sign up to vote if they wish.

4. The secretary asked anyone who was interested in offering the use of a suitable meeting venue to contact him. The room needs to be able to accommodate 20+ people for the meeting and there needs to be lunch facilities available.

## **9. DATE OF NEXT MEETING**

The date for the next meeting was left open, but was expected to be in the new year. If a STWGAT meeting is required to resolve any outstanding 1641 issues, this will occur first. The next SLGAT is expected to be before the next SCC20 (2010-1) meeting. All SLGAT members will be informed by e-mail when the date of this meeting is confirmed.

The Chairman closed the meeting at 14:32

Post meeting note: the presentations for the papers and the P1641 comments will be uploaded to the TAD website in the near future. The web address, user name and password will then be separately emailed out to those interested.

Ashley Hulme  
(Secretary)

Malcolm Brown  
(Chair)

## Circulation List

Rob	Allerston	DSG
Roland	Andrews	DiagnoSYS Ltd
Chris	Ansell	DiagnoSYS Ltd
Paul	Attwell	CIMTEK
Alex	Barrett	Raytheon Systems Limited
John	Binding	DE&S – ESAIR
Dave	Bradbury	MBDA (UK) Ltd
Steve	Brenner	Terotest Ltd
Malcolm	Brown	DE&S – Head of ATS
Pete	Cassidy	DSG
Bob	Collins	Ametek
Matt	Cornish	EADS TEST ENGINEERING SERVICES (UK) Ltd
Keith	Ellis	AKE Consultants
Andy	Fogg	Lanson Consultants (for Indra)
Dean	Freestone	GE Aviation
Steve	Fryatt	Alvatek
Phil	Gilham	Rohde & Schwarz UK Ltd
Chris	Gorringe	EADS TEST ENGINEERING SERVICES (UK) Ltd
Arthur	Hann	Independent Consultant
Mike	Harrison	Independent Consultant
Ashley	Hulme	EADS TEST ENGINEERING SERVICES (UK) Ltd
Peter	James	British Airways Avionic Engineering Ltd
Dave	Joel	Lanson Consultants (for Indra)
Penri	Jones	EADS TEST ENGINEERING SERVICES (UK) Ltd
Steve	Kelly	DSG
Jim	Langlois	Hercules Integrated Operational Support
Peter	Lawson	GAMBICA
Bill	McGaw	DE&S – ESAIR
Spike	Milligan	DE&S – ATS Organisation
Colin	Muir	DiagnoSYS Ltd
Andy	Mugford	BAE SYSTEMS
Bernd	Neuner	Ametek
Darren	Nichols	Rohde & Schwarz UK Ltd
Richard	Padley	GE Aviation
Andrew	Parkinson	Teradyne Ltd
Peter	Richardson	SELEX Sensors and Airborne Systems Ltd
Terry	Roblett	EADS Astrium Ltd
Howard	Saward	EADS TEST & SERVICES (UK) Ltd
William	Sinclair	SELEX Sensors and Airborne Systems Ltd
Richard	Stonham	BAE SYSTEMS
Colin	Sycamore	Intepro Systems
Simon	Tanner	Intepro Systems
Terry	Tinsley	Aeroflex Test Solutions
Ian	Tonge	Serco Technical and Assurance Services
Alain	Vervin	Teradyne Ltd
Graham	Ward	EADS Astrium
Gary	White	Serco Technical and Assurance Services
Peter	Wilson	Terotest
Darren	Winter	BAE SYSTEMS
Jochen	Wolle	Rohde & Schwarz GmbH & Co. KG