

**Replaces:**

**ISO/IEC JTC 1  
Information Technology**

**Document Type:** other (defined)

**Document Title:** SC 17 Nomination of SAI Global as the Registration Authority for ISO/IEC 24727-6 - Identification cards - Integrated circuit card programming interfaces - Part 6: Registration authority procedures for the authentication protocols for interoperability

**Document Source:** SC 17 Secretariat

**Document Status:** This document is circulated to National Bodies for review and consideration at the November 2008 JTC 1 Plenary meeting in Nara.

**Action ID:** ACT

**Due Date:**

**No. of Pages:** 11

**ISO/IEC JTC1/SC17 N 3572**

**DOCUMENT TYPE: Ballot Result**

**TITLE:** Ballot Results: Nomination of SAI Global as the Registration Authority for ISO/IEC 24727-6 - Identification cards - Integrated circuit card programming interfaces - Part 6: Registration authority procedures for the authentication protocols for interoperability.

**BACKWARD POINTER:** N 3519

**SOURCE:** SECRETARIAT ISO/IEC JTC1/SC17

**STATUS:** One negative ballot was received but this was registering no interest and should have been recorded as an abstention.

As a default ballot the SC17 Secretariat is satisfied that the nomination of SAI Global can be forwarded for endorsement by JTC1 as the Registration Authority for ISO/IEC 24727-6.

**ACTION ID:** FYI

**WORK ITEM:** ISO 51572 (1.17.35.6)

**DUE DATE:**

**DISTRIBUTION:** P and L-Members of ISO/IEC JTC1/SC17  
JTC1 Secretariat  
ISO/IEC ITTF

**MEDIUM:** SERVER

**NO. OF PAGES:** 3

## Result of voting

### Ballot Information:

<b>Ballot reference:</b>	17n3519 Nomination of SAI Global as ISO/IEC 24727-6 RA
<b>Ballot type:</b>	CIB
<b>Ballot title:</b>	Nomination of SAI Global as the Registration Authority for ISO/IEC 24727-6 -Identification cards - Integrated circuit card programming interfaces - Part 6: Registration authority procedures for the authentication protocols for interoperability
<b>Opening date:</b>	2008-07-26
<b>Closing date:</b>	2008-09-26
<b>Note:</b>	The SC17 Secretariat commends this proposal to SC17 by means of a 60-day default letter ballot. If the SC17 Secretariat receives no objections to the proposal, it will be forwarded to JTC1 for confirmation.

### Member responses:

<b>Votes cast (25)</b>	Austria (ON) Belgium (NBN) China (SAC) Czech Republic (CNI) Denmark (DS) Finland (SFS) France (AFNOR) Germany (DIN) India (BIS) Israel (SII) Italy (UNI) Korea, Republic of (KATS) Malaysia (DSM) Netherlands (NEN) New Zealand (SNZ) Norway (SN) Poland (PKN) Romania (ASRO) Singapore (SPRING SG) South Africa (SABS) Spain (AENOR) Sweden (SIS) Switzerland (SNV) United Kingdom (BSI) USA (ANSI)
<b>Comments submitted (1)</b>	Ukraine (DSSU)

<b>Votes not cast (8)</b>	Australia (SA) Canada (SCC) Iran, Islamic Republic of (ISIRI) Japan (JISC) Kazakhstan (KAZMEMST) Kenya (KEBS) Portugal (IPQ) Russian Federation (GOST R)
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Questions:	
<b>Q.1</b>	"Do you approve of SAI Global being nominated as the Registration Authority for ISO/IEC 24727-6?"

Answers to Q.1: "Do you approve of SAI Global being nominated as the Registration Authority for ISO/IEC 24727-6?"		
<b>24 x</b>	<b>Yes</b>	Austria (ON) Belgium (NBN) China (SAC) Czech Republic (CNI) Denmark (DS) Finland (SFS) France (AFNOR) Germany (DIN) India (BIS) Israel (SII) Italy (UNI) Korea, Republic of (KATS) Malaysia (DSM) New Zealand (SNZ) Norway (SN) Poland (PKN) Romania (ASRO) Singapore (SPRING SG) South Africa (SABS) Spain (AENOR) Sweden (SIS) Switzerland (SNV) United Kingdom (BSI) USA (ANSI)
<b>1 x</b>	<b>No</b>	Netherlands (NEN)

Comments from Voters		
Member:	Comment:	Date:
<b>Netherlands (NEN)</b>	<b>Comment</b>	2008-09-17 16:12:19
No interest in the subject		

Comments from Commenters		
Member:	Comment:	Date:
<b>Ukraine (DSSU)</b>	<b><i>Comment</i></b>	2008-09-26 09:32:36
abstention		



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18 August 2008

Mr Chris Starr  
Standards Executive (Cards)  
Standards Unit  
APACS  
Mercury House  
Triton Court  
14 Finsbury Square  
London EC2A 1LQ  
United Kingdom

Dear Mr Starr,

***ISO/IEC 24727-6 Registration Authority – SAI Global proposal***

It is our understanding that SAI Global's proposal to operate the register for smartcard authentication protocols is currently the subject of a ballot of subcommittee ISO/IEC JTC1/SC/17, and that this ballot closes on 26 September 2008.

As indicated in our proposal, we are extremely interested in the project and should the ballot support the proposal, would anticipate starting development work at the earliest opportunity. Current scheduling will have a beta version of the register in place for review and testing by November 2008, with the register then available for live use in late November/early December.

In anticipation of a positive ballot, we have provided comprehensive comment on Part 6, through our national standards body, Standards Australia. We have also provided comment on the draft Agreement between ISO and the Registration Authority.

Attached are details of our proposal, together with information on SAI Global. The costing provided assumes a recovery of development and administrative cost over a period of 5 years. However, we intend operating the register for at least 10 years.

I have also attached a copy of our comments on the draft Agreement.

If there's any more information I can provide – or help further in any way, please don't hesitate to contact me.

Yours sincerely,

A handwritten signature in dark ink, appearing to read "Den Dawkins".

Denis Dawkins  
Director  
SAI Global Business Publishing

# **ISO/IEC 24727-6 REGISTRATION AUTHORITY FOR SMARTCARD PROTOCOLS**

## **SAI Global Ltd Proposal**

### **Background**

SAI Global Ltd is a public company listed on the ASX, specialising in the provision of applied information services, helping organizations manage risk, achieve compliance and drive business improvement. SAI Global's business model is based on the company's strategy to create an efficient and effective multinational operating model, which is able to focus on providing standards and business improvement related products and services. The company is organised into three operating units, Business Publishing, Governance, Risk and Compliance Services, and Assurance Services.

SAI Global Business Publishing is the Division that would develop and manage the register of authentication protocols for integrated circuit cards (Smartcards).

The Business Publishing division was originally part of Standards Australia, and was sold as an entity to SAI Global in December 2003. Part of that transaction included an exclusive contract with Standards Australia to publish and sell all 7000 Australian Standards. Under the contract with Standards Australia, we also have the exclusive Australian publication rights to 18,000 ISO and IEC standards

In May 2006, SAI Global Business Publishing added significant European and North American markets to its portfolio through the acquisition of a major UK-based standards publisher and distributor. SAI Global is now the exclusive world-wide distributor of Irish Standards. In total, the SAI Global group is now a non-exclusive distributor for over 400 standards and technical publishing organizations from around the world. SAI Global's publishing annual turnover now exceeds \$70M

SAI Global is independently certified to the International management system Standard, ISO 9001:2000, *Quality management systems – Requirements*, with each of the Publishing, Distribution, Customer Service, Marketing, IT&T and Finance areas in Australia being individually certified, as well as overall corporate certification.

Full details are available at our web site [www.saiglobal.com](http://www.saiglobal.com)

### **Financial strength**

Financially, SAI Global Ltd is strong. Market capitalisation was around \$500m at June 2008. 2007/08 revenue was \$243m, up some 14%, with net profit after tax of \$19.8m, up 5%. We have 450 staff in offices throughout Australia, as well as a further 350 staff overseas in the USA, United Kingdom, Indonesia, India and New Zealand.

### **Prior Knowledge and Experience**

SAI Global is one of Australia's major publishing and distribution houses. We have access to more than 800,000 titles, most of them available in a range of delivery media – hard copy, PDF and web-based subscription services. We have pioneered electronic distribution systems and are world leaders in the commercial use of internet and DVD subscription services and product delivery.

Of particular relevance to this proposal is our experience in the development of web based applications and registers.

Our second generation web shop ("Book Store") is in the final stages of testing, and is scheduled to go live in August this year. The Book Store will provide customers with a significantly enhanced purchasing experience –

- Credit card purchases in multiple currencies
- Regional sales and deliveries
- Variable discounts available to special interest groups
- Simplified “simple” search and enhanced “power” search facilities

Additionally, we have developed and operated internet registers for the NSW Government (on micro-chipped domestic animals), the Australian Department of Defence (on registered information security personnel) and the Australian Marine Safety Commission (on approved safety equipment).

SAI Global currently operates the Australian agency for Issuer Identification Numbers (IINs), World Manufacturer Identifiers (WMIs), Registered Application Provider Identifiers (RIDs) and Card Acceptor Numbers (CAICs).

## **Proposal for Smartcard Registration Authority (RA)**

SAI Global will develop and operate the register in accordance with ISO/IEC 24727-6. The register would be available for a minimum of 10 years.

The register would be internet-based and would operate as follows:

### **Core concepts**

The RA will act primarily in an administrative role. The RA will not technically evaluate applications for compliance with the nominated standards. The RA will, however, communicate with applicants to ensure understanding of the requirements and to assist with the submission of the correct documentation.

It is envisaged that in the initial phase, ISO/IEC 24727-5 will not be available and that 3<sup>rd</sup> party testing will not therefore be possible. Until this procedure is in place, compliance with the requirements will be self-certified by the applicants. Self certification will cover not only compliance with requirements, but acknowledgement that the IP has not been breached in any other protocol.

The RA will ensure that appropriately signed self certification (and subsequently test authority) and indemnity documents are provided.

Comprehensive reporting will be provided to ISO as per ISO/IEC 24727-6. In addition, “real time” reporting will be available via the register web site.

Whilst the register will be primarily internet based, comprehensive support will be provided through access to experienced administrative personnel during the Australian working day (supported by out-of-hours voice mail and email).

### **Basic operations of the Register**

- A unique URL in accordance with ISO/IEC 24727-6
- A Home Page reflecting the “look and feel” of ISO and the Smartcard project
- The capacity for potential applicants to fully understand the process, download application forms and all associated documentation and submit them to the RA.
- Submission via the web will be encouraged. In these instances, applicants will be able to edit or amend submissions at no charge, until the registration has been confirmed.
- Submission of applications will also be available via mail, fax, CD etc. In these instances, if the documentation is incorrect or incomplete, a re-submission fee might apply.
- Payment of fees will also be encouraged via the web – and capacity is available to make these payments in a range of international currencies



- Renewal notices automatically distributed via the web, with inbuilt capacity for payment and renewal
- Protocols will be registered in accordance with ISO/IEC 9834-1
- Renewals of protocols would be every 3 years and of protocol adoptions, every 5 years
- Where protocols are not renewed, they are maintained on the register for a further 12 months. After 3 months, organizations that have adopted the protocol are advised so that, if necessary, they can make alternate arrangements.

#### **Additional features**

- Fully searchable by protocol number, protocol owner, protocol and associated adoption, geographical region
- Various levels of access will be provided – public read-only, applicant information and the capacity to edit submissions, ISO/SC17 statistics and reporting, administrator
- Information on the background to the register and its aims and objectives. Possibly, (with ISO approval), extracts from appropriate standards and the capacity to directly purchase PDF downloads from the SAI Global Book Store.
- FAQs (developed with the assistance of SC17)
- Feedback, complaints

#### **Financials**

The following costing and fee structure may be discussed in greater detail with ISO. All figures are in \$US.

The core concept is that of cost recovery. To this end, some fundamental assumptions have been made:

- A cost recovery period of 5 years
- A total of 250 protocol registrations over this period
- A total of 1000 protocol adoptions
- Renewal of protocol registration every 3 years
- Renewal of protocol adoption every 5 years

Based on these assumptions the following fees are proposed

- Protocol registration -- \$5,000
- Protocol adoption -- \$200
- Protocol resubmission -- \$200 (for errors or omissions -- hard copy only)
- Protocol renewal -- \$500 (not applicable in 1<sup>st</sup> 3 years)
- Protocol adoption renewal -- \$100 (not applicable in 1<sup>st</sup> 5 years)

Over a period of 5 years, the costs involved in development, hosting, technical and legal support, administration and supervision are recovered by the registrations and fees noted above. Full details are available.

#### **Legal**

We have reviewed the draft Registration Authority Agreement that has been provided and are happy that, subject to a few small amendments, it can form the basis of our Agreement.

**SMARTCARD REGISTER**  
**-- DEVELOPMENT AND ADMINISTRATIVE COSTS**

task		rate/day	days	total
<b>COSTING</b>				
<i>Development</i>				
conceptual development		1500	5	\$7,500.00
programming to beta		1200	30	\$36,000.00
testing		800	5	\$4,000.00
review and amend		1200	5	\$6,000.00
supervision/legal		1500	10	\$15,000.00
total				\$68,500.00
<i>On-going -- monthly</i>				
administration (3 day/wk)		1200	12	\$14,400.00
tech support		1200	2	\$2,400.00
hosting		1500	1	\$1,500.00
supervision		1500	2	\$3,000.00
legal		2000	1	\$2,000.00
total/month				\$23,300.00
total/year				\$279,600.00
<b>total 5 yrs inc development</b>				<b>\$1,466,500.00</b>
<b>INCOME</b>				
Assume				
<i>Year 1</i>				
50 registrations		5000		\$250,000.00
200 applications		200		\$40,000.00
10 resubmissions		200		\$2,000.00
<i>Year 2</i>				
50 new registrations		5000		\$250,000.00
200 applications		200		\$40,000.00
10 resubmissions		200		\$2,000.00
<i>Year 3</i>				
50 new registrations		5000		\$250,000.00
200 applications		200		\$40,000.00
10 resubmissions		200		\$2,000.00
<i>Year 4</i>				
50 new registrations		5000		\$250,000.00
40 renewals		500		\$20,000.00
200 applications		200		\$40,000.00
10 resubmissions		200		\$2,000.00
<i>Year 5</i>				
50 new registrations		5000		\$250,000.00
40 renewals		250		\$20,000.00
200 applications		200		\$40,000.00
10 resubmissions		200		\$2,000.00
<b>Total 5 yrs</b>				<b>\$1,500,000.00</b>