

**ISO/IEC JTC 1
Information Technology**

Document Type: New Work Item Proposal

Document Title: NWIP - System and Software Engineering – Information Technology – Digital Forensics Governance Framework

Document Source: SC 7 Secretariat

Reference:

Document Status: This document is circulated to JTC 1 National Bodies for concurrent review. If the JTC 1 Secretariat receives no objections to this proposal by the due date indicated, we will so inform the SC 7 Secretariat

Action ID: Act

Due Date: 2010-05-24

No. of Pages: 7

ISO/IEC JTC1/SC7 N4578

2010-02-23

Document Type	NWIP
Title	NWIP - System and Software Engineering – Information Technology – Digital Forensics Governance Framework
Source	Standards New Zealand
Project	
Status	
References	Resolution 1171
Action ID	ACT
Due Date	2010-05-23
Start Date	2010-02-23
Distribution	SC7 AG, JTC 1 Secretariat
Medium	PDF
No. of Pages	6
Note	<u>Please vote using the ISO Electronic Balloting Facilities (Resolution 937)</u>

Address reply to: ISO/IEC JTC1/SC7 Secretariat
École de technologie supérieure – Département de Software and IT Engineering
1100 Notre Dame Ouest, Montréal, Québec Canada H3C 1K3
secretariat@jtc1-sc7.org

www.jtc1-sc7.org

New Work Item Proposal

PROPOSAL FOR A NEW WORK ITEM

Date of presentation of proposal: 2010-02-23	Proposer: Standards New Zealand
Secretariat: Standards Council of Canada (SCC)	ISO/IEC JTC 1 N XXXX ISO/IEC JTC 1/SC 7 N 4578

A proposal for a new work item shall be submitted to the secretariat of the ISO/IEC joint technical committee concerned with a copy to the ISO Central Secretariat.

Presentation of the proposal

<p>Title System and Software Engineering – Information Technology – Digital Forensics Governance Framework</p>
<p>Scope: The scope of this work is guidance on what constitutes good governance of digital forensic services and risk within the corporate enterprise system. The essential components are the processes, frameworks and metrics that demonstrate an organization is adopting best practices. It includes the relationship with Corporate Governance, boundaries of business conduct, relationship with other administrative and management functions, characteristics of proper governance, process definitions and metrics and key goal indicators.</p>
<p>Purpose and justification: The purpose of this standard is to help organisations meet Corporate requirements when Monitoring, Evaluating and Directing the Governance of Digital Forensics services within their respective enterprise system. The purpose is not to displace or to replace any other standard. The purpose is to provide the scope to meet Corporate Governance requirements of Digital Forensics and policy guidance for harmonisation with the current related and future development of related standards. At present there is no comprehensive framework for digital forensic governance.</p>
<p>Programme of work</p> <p>If the proposed new work item is approved, which of the following document(s) is (are) expected to be developed?</p> <p><input checked="" type="checkbox"/> X_ a single International Standard</p> <p><input type="checkbox"/> more than one International Standard (expected number:)</p> <p><input type="checkbox"/> a multi-part International Standard consisting of parts</p> <p><input type="checkbox"/> an amendment or amendments to the following International Standard(s)</p> <p><input checked="" type="checkbox"/> X_ a technical report , type 2.....</p> <p>And which standard development track is recommended for the approved new work item?</p> <p><input checked="" type="checkbox"/> X_ a. Default Timeframe</p> <p><input type="checkbox"/> b. Accelerated Timeframe</p> <p><input type="checkbox"/> c. Extended Timeframe</p>
<p>Relevant documents to be considered</p> <ul style="list-style-type: none"> • ISO/IEC TR 12182:1998 – Vocabulary • ISO/IEC 15026:1998 – Risk & Integrity • ISO/IEC 16085:2006 – Risk & Integrity • ISO/IEC TR 24774:2007 System and software engineering — Life Cycle Management — Guidelines for process definition • ISO/IEC 31000:2009 –Risk Management Principles and Guidelines (Under development) • ISO/IEC 20000-1:2005, Information technology – Service management (Under development) • ISO/IEC 17021:2006 Conformity Assessment - Audit • ISO/IEC 17024:2003 Conformity Assessment – Certification • ISO/IEC 38500:2008 The Corporate Governance of Information Technology

Co-operation and liaison:

- Internal SC7 liaison with WG1a
- JTC1/SC27 liaison with WG4
- JTC1 liaison with WG6

Preparatory work offered with target date(s)

The Study Group has prepared an outline of a draft Standard for the Corporate Governance of Digital Forensics. The Draft aligns the elements of Digital Forensic with ISO/IEC 38500. The elements of risk and service are aligned with the two standards currently under development 20000-1 and 31000 DIS.

Signature:

Will the service of a maintenance agency or registration authority be required No

- If yes, have you identified a potential candidate?

- If yes, indicate name

Are there any known requirements for coding? No

-If yes, please specify on a separate page

Does the proposed standard concern known patented items? . No

- If yes, please provide full information in an annex

Comments and recommendations of the JTC 1 or SC 7 Secretariat - attach a separate page as an annex, if necessary

Comments with respect to the proposal in general, and recommendations thereon:

It is proposed to assign this new item to SC 7 and to be under the management and General Editorship of the existing Study Group project team. Support for this work item has been indicated by South Africa, Australia, United States, Singapore, Luxembourg, Korea, Spain, Ireland, Japan, Canada, and New Zealand.

Voting on the proposal - Each P-member of the ISO/IEC joint technical committee has an obligation to vote within the time limits laid down (normally three months after the date of circulation).

Date of circulation: 2010-02-23	Closing date for voting: 2010-05-23	Signature of Secretary: W. Suryn
---	---	--

NEW WORK ITEM PROPOSAL - PROJECT ACCEPTANCE CRITERIA		
Criterion	Validity	Explanation
A. Business Requirement		

A.1 Market Requirement	Essential __X__ Desirable ____ Supportive ____	<p>The Corporate Governance of Information Technology and associated issues have been reported as a top 10 CEO management problem area in the Gartner EXP annual CEO survey for at least the past five years.</p> <p>Litigation involving evidence stored by or related to Information Technology has disproportionally increased as more business has been conducted with the use of Information Technology. Consequently the requirement for capability to monitor, evaluate and direct Digital Forensic risk and services has also disproportionally increased.</p> <p>Ultimately, at the highest level the goal of good governance of Digital Forensics is:</p> <ul style="list-style-type: none"> • Oversight of management • The Right People • Doing the Right Things • For the Right Reasons • In the Right Way • To get the Right Results. <p>With contributions drawn from numerous resources, this proposal offers both basic guidance on what constitutes good governance for Digital Forensics and essential components of the Governance processes, frameworks and metrics that demonstrate that an organization is subject to it.</p>
------------------------	--	--

A.2 Regulatory Context	Essential ____ Desirable ____ Supportive <input checked="" type="checkbox"/> ____ Not Relevant ____	Differing regulations exist in each country, that in particular relate to the legal status of evidence and the admissibility of digital evidence in courts. The supporting elements concern guidelines for best practice in the Governance of Digital Forensic risk and services from the perspective of the Corporate Board. It is the system that enables good Corporate Governance that is of concern.
B. Related Work		
B.1 Completion/Maintenance of current standards	Yes ____ No <input checked="" type="checkbox"/> ____	
B.2 Commitment to other organisation	Yes ____ No <input checked="" type="checkbox"/> ____	
B.3 Other Source of standards	Yes ____ No <input checked="" type="checkbox"/> ____	
C. Technical Status		
C.1 Mature Technology	Yes ____ No <input checked="" type="checkbox"/> ____	Press statements are calling for standardisation in the various domains of Digital Forensic practice. The variation in services and risk assessment are considered too great.
C.2 Prospective Technology	Yes <input checked="" type="checkbox"/> ____ No ____	Corporates have invested heavily in protecting information assets (security) but are less prepared for digital occurrence that are of an evidential nature. A demand has been created for Governance knowledge of best practice and the standardisation of risk and service supply.
C.3 Models/Tools	Yes ____ No <input checked="" type="checkbox"/> ____	Out of scope.

D. Conformity Assessment and Interoperability		
D.1 Conformity Assessment	Yes ____ No__ X _	
D.2 Interoperability	Yes _ X ____ No ____	See list of "relevant documents to be considered" in the NWI and the proposed guidelines for harmonisation with other standards.
E. Cultural and Linguistic Adaptability	Yes ____ No__ X ____	
F. Other Justification		

Notes to Proforma

A. Business Relevance. That which identifies market place relevance in terms of what problem is being solved and or need being addressed.

A.1 Market Requirement. When submitting a NP, the proposer shall identify the nature of the Market Requirement, assessing the extent to which it is essential, desirable or merely supportive of some other project.

A.2 Technical Regulation. If a Regulatory requirement is deemed to exist - e.g. for an area of public concern e.g. Information Security, Data protection, potentially leading to regulatory/public interest action based on the use of this voluntary international standard - the proposer shall identify this here.

B. Related Work. Aspects of the relationship of this NP to other areas of standardisation work shall be identified in this section.

B.1 Competition/Maintenance. If this NP is concerned with completing or maintaining existing standards, those concerned shall be identified here.

B.2 External Commitment. Groups, bodies, or fora external to JTC 1 to which a commitment has been made by JTC for Co-operation and or collaboration on this NP shall be identified here.

B.3 External Std/Specification. If other activities creating standards or specifications in this topic area are known to exist or be planned, and which might be available to JTC 1 as PAS, they shall be identified here.

C. Technical Status. The proposer shall indicate here an assessment of the extent to which the proposed standard is supported by current technology.

C.1 Mature Technology. Indicate here the extent to which the technology is reasonably stable and ripe for standardisation.

C.2 Prospective Technology. If the NP is anticipatory in nature based on expected or forecasted need, this shall be indicated here.

C.3 Models/Tools. If the NP relates to the creation of supportive reference models or tools, this shall be indicated here.

D. Conformity Assessment and Interoperability

D.1 Indicate here if Conformity Assessment is relevant to your project. If so, indicate how it is addressed in your project plan.

D.2 Indicate here if Interoperability is relevant to your project. If so, indicate how it is addressed in your project plan

E. Cultural and Linguistic Adaptability Indicate here if cultural and linguistic adaptability is applicable to your project. If so, indicate how it is addressed in your project plan.

F. Other Justification Any other aspects of background information justifying this NP shall be indicated here