

## New Work Item Proposal

### PROPOSAL FOR A NEW WORK ITEM

Date of presentation of proposal: 2010.05.26	Proposer: KATS
Secretariat: SN National Body	<b>ISO/IEC JTC 1 N XXXX</b> ISO/IEC JTC 1/SC 32 WG1 NWIP

**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** - to be completed by the proposer. .

<b>Title</b> Open-edi Interchange method between International and Country based e-business Registries & Repositories.
<b>Scope</b> The scope of proposed NWIP covers 1.To standardize of the interchange method to facilitate e-Business and e-Business Process. 2.To provides a mechanism for heterogeneous registries to interface one another for information sharing and interchange such as between International e-business Registry & Repository and Country e-business Registries & Repositories. 3.An open-edi interchange method such as Message, Profile and Electronic Documents between International e-business Registry & Repository and Country e-business Registry & Repository.
<b>Purpose and justification</b> See Annex 1
<b>Programme of work</b> If the proposed new work item is approved, which of the following document(s) is (are) expected to be developed? <input checked="" type="checkbox"/> a single International Standard <input type="checkbox"/> more than one International Standard (expected number: ..... ) <input type="checkbox"/> a multi-part International Standard consisting of ..... parts <input type="checkbox"/> an amendment or amendments to the following International Standard(s) ..... <input type="checkbox"/> a technical report , type ..... And which standard development track is recommended for the approved new work item? <input type="checkbox"/> a. Default Timeframe <input type="checkbox"/> b. Accelerated Timeframe <input checked="" type="checkbox"/> c. Extended Timeframe
<b>Relevant documents to be considered</b> Refer 1
<b>Co-operation and liaison</b> See Annex 3
<b>Preparatory work offered with target date(s)</b> April. 2011
<b>Signature:</b> KATS Young Sik Kang

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

**Are there any known accessibility requirements and/or dependencies (see: <http://www.jtc1access.org>)?.....**

**-If yes, please specify on a separate page**

Are there any known requirements for cultural and linguistic adaptability? .....Yes.....

-If yes, please specify on a separate page

**Comments and recommendations of the JTC 1 or SC 32 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 JTC 1/SC32 WG1

**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).

<b>Date of circulation:</b> 2010.05.28	<b>Closing date for voting:</b> YYYY-MM-DD	<b>Signature of Secretary:</b>
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<b>NEW WORK ITEM PROPOSAL - PROJECT ACCEPTANCE CRITERIA</b>		
<b>Criterion</b>	<b>Validity</b>	<b>Explanation</b>
<b>A. Business Requirement</b>		
A.1 Market Requirement	Essential ___ Desirable __X_ Supportive ___	See Annex 2
A.2 Regulatory Context	Essential ___ Desirable ___ Supportive __X_ Not Relevant ___	See Annex 2
<b>B. Related Work</b>		
B.1 Completion/Maintenance of current standards	Yes ___ No __X_	
B.2 Commitment to other organisation	Yes _X_ No ___	See Annex 3
B.3 Other Source of standards	Yes _X_ No ___	See Refer 1
<b>C. Technical Status</b>		
C.1 Mature Technology	Yes X___ No ___	See Annex 2
C.2 Prospective Technology	Yes _X_ No ___	See Annex 2
C.3 Models/Tools	Yes _X_ No ___	See Annex 2
<b>D. Conformity Assessment and Interoperability</b>		
D.1 Conformity Assessment	Yes __X_ No ___	See Annex 1
D.2 Interoperability	Yes _X_ No ___	See Annex 1
<b>E. Adaptability to Culture, Language, Human Functioning and Context of Use</b>		

<b>E.1 Cultural and Linguistic Adaptability</b>	Yes ___X___ No _____	
<b>E.2 Adaptability to Human Functioning and Context of Use</b>	Yes _____ No ___X___	
<b>F. Other Justification</b>		

## 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 for 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** Any other aspects of background information justifying this NP shall be indicated here.

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. Adaptability to Culture, Language, Human Functioning and Context of Use**

**NOTE:** The following criteria do not mandate any feature for adaptability to culture, language, human functioning or context of use. The following criteria require that if any features are provided for adapting to culture, language, human functioning or context of use by the new Work Item proposal, then the proposer is required to identify these features.

**E.1 Cultural and Linguistic Adaptability.** Indicate here if cultural and natural language adaptability is applicable to your project. If so, indicate how it is addressed in your project plan.

ISO/IEC TR 19764 (Guidelines, methodology, and reference criteria for cultural and linguistic adaptability in information technology products) now defines it in a simplified way:

“ability for a product, while keeping its portability and interoperability properties, to:

- be internationalized, that is, be adapted to the special characteristics of natural languages and the commonly accepted rules for their use, or of cultures in a given geographical region;
- take into account the usual needs of any category of users, with the exception of specific needs related to physical constraints”

*Examples of characteristics of natural languages are: national characters and associated elements (such as hyphens, dashes, and punctuation marks), writing systems, correct transformation of characters, dates and measures, sorting and searching rules, coding of national entities (such as country and currency codes), presentation of telephone numbers and keyboard layouts. Related terms are localization, jurisdiction and multilingualism.*

**E.2 Adaptability to Human Functioning and Context of Use.** Indicate here whether the proposed standard takes into account diverse human functioning and diverse contexts of use. If so, indicate how it is addressed in your project plan.

**NOTE:**

1. Human functioning is defined by the World Health Organization at <http://www3.who.int/icf/beginners/bg.pdf> as:  
<<In ICF (*International Classification of Functioning, Disability and Health*), the term *functioning* refers to all body functions, activities and participation.>>
2. Content of use is defined in ISO 9241-11:1998 (*Ergonomic requirements for office work with visual display terminals (VDTs) – Part 11: Guidance on usability*) as:  
<<Users, tasks, equipment (*hardware, software and materials*), and the *physical and societal environments in which a product is used.*>>
3. Guidance for Standard Developers to address the needs of older persons and persons with disabilities).

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

Annex 1 Purpose and justification

Annex 2 Presentation Document of the Proposal,

Refer 1 Relevant Document

Annex 3 Co-operation and Liaison

### **Annex 1. Purpose and justification**

1. The specific aims and reasons for the standardization activity: Open-edi Interchange method such as Message, Profile and Electronic Documents between International e-business Registry & Repository and Country e-business Registries & Repositories. A variety of the e-business registries & repositories frameworks has been developed for applications fields, and many e-business registries & repositories have been building for management of e-Business. For valid and exact registry & repository building, exchanging, and sharing, the following problems should be resolved: (1) No consistent interchange method; (2) Invalid registries; (3) Difficulty of the e-business registry & repository management system development. This NWIP therefore aims to provide a consistent interchange method for building of valid business registries & repository and interchange method such as Message, Profile and Electronic Documents between international e-business Registry & Repository and country e-business Registries & Repositories.

2. The main interests that might benefit from or be affected by the activity

2-1. Industry: Since many e-business registries & repositories have been developing in many applications fields related with bibliographic information, environmental Open-edi, transportation knowledge including e-Business field, most industrial sectors will benefit from this standard. The application area where the integration and interoperability between different e-business registries & repositories are critical, will also be a beneficiary of this NWIP.

2-2. Consumers: The consumers of this activity will include from ordinary users of the e-business registry & repository services to all companies and government agencies.

2-3. Governments: The governments, who are in general the major producers and consumers of the e-business registry & repository, are trying to integrate relevant e-business registry & repository and provide high-quality services. This standard will be used as a open-edi interchange method to address their goal.

3. Feasibility of the activity: Even though many e-business registries & repositories frameworks have been developed for supporting interoperability among e-business registries & repositories and applications, none consistent and standardized interchange method has been provided to exchange and share business registry & repository. There is also no policy to guarantee building and operating of valid e-business registries & repositories, and the development of the e-business registry & repository management systems requires high cost. To resolve these issues and facilitate usability of standards for the e-business registry & repository management, a standardized and consistent open-edi interchange method should be developed.

4. Timeliness of the standard to be produced: Since many registries & repositories have been built and also now new e-business registry & repository have been constructing, the standardization project of this proposal is very timely.

5. Urgency of the activity: Interoperability and valid building of interchange method such as Message, Profile and Electronic Documents between International e-business Registry & Repository and Country e-business Registries & Repositories.

6. The benefits to be gained by the implementation of the proposed standard: We expect many benefits from the implementation of this standard and a summary of major benefits is as follows: First, the proposed standard will guarantee creation of valid e-business registry & repository and allows easy e-business registry & repository building. Second, it will support a consistent and standardized open-edi interchange protocol to e-business registries & repositories regardless of their physical store structure. Third, it will facilitate development of high-quality systems, applications, and services.

7. Subject of regulation or harmonization of the existing regulations: Not Available.

## Annex 2 Presentation Documents of the proposal

1. SC 32 WG 1 Doc . N 361 Global Standards of e-Trade Process
2. SC 32 WG 1 Doc . N 383 Global Standards of e-Trade Process on the basis ebXML Framework
3. SC 32 WG 1 Doc . N 397 Global Standards of e-Trade Process
4. SC 32 WG 1 Doc . N 440 Global Standards of e-Trade Process on the basis ebXML Registry and Repository
5. SC 32 WG 1 Doc . N 483 Global Standards of e-Trade Process on the basis ebXML & Web Service
6. SC 32 WG 1 Doc . N 529 e-Trade Process

## Refer 1 Relevant Documents

- 1.. Work already completed
  - SC32 WG1 Doc. N361 Global Standards of e-Trade Process
2. Existing standards and specification relevant documents
  - ISO /IEC 14462 Open-edi Reference Model
  - ISO /IEC 15944 Business Operational View
  - ISO /IEC 11179 Metadata Registry
  - UNCEFACT UMM(UNCEFACT Modeling Methodology) International Trade Reference Model
  - UNCEFACT Business collaboration Model
  - UNCEFACT Business semantic Methodology & Technical Framework, ebXML Core Component Technical Specification
  - UNCEFACT Cross Border Reference Data Model
  - UNCEFACT ICG Registry Project
  - OASIS ebXML Registry Service Specification
  - OASIS ebXML Registry Information Model
  - OASIS ebXML Messaging Service specification
  - OASIS ebXML registry Federation Architecture
  - UNCEFACT ebXML Registry Information Model
  - UNCEFACT ebXML service Specification
  - UNCEFACT ebXML Registry Federation

## Annex 3. Co-operation and Liaison

### 1. Existing Standards

- ISO/IEC SC 32 WG1 and SC 32 WG2
- ISO/TC 154 EDIFACT
- ISO/TC 104 Container
- ISO/TC 168 Banking
- ISO/TC 205 Transportation

### 2. Co-operation

- Korea, China, Canada, Japan, UK, USA

### 3. Other Liaison

- UNCEFACT, AFCT