

TMC-CSC Joint Meeting Report
2014 in Ho Chiang Mai, Thailand
TMC Chair : Hisanao Sugamata
CSC Chair : Eva Yueh

Participants:

6 participants from 4 countries/economies (Appendix 1)
(Chinese Taipei, Japan, Korea, Thailand)

Meeting topics:

I. UN/CEFACT Update by Hisanao Sugamata (HS)

(1) M&T PDA New Projects

→ Information Note on Standards Conformance and Interoperability

→ Library Review

(2) Supply Chain PDA New project

→ Purchase Order Financing Request

(3) EU Directive: Public Procurement

→ eTendering : 2017

→ eInvoice: 2020

(4) Bureau Program Support

→ CCL 13B published:

- CCs : 6391

- BIEs : 10089

- XML Messages : 94

II. CCL Utilization in Asia by Hisanao Sugamata (HS)

(1) HS introduced Registry Procedure and Registry Data Model based on ISO 19763-6 for CIDL (Cross Industry Data Library) framework in Japan.

(2) HS introduced 2014 action plans in Japan by SIPS (Supply Chain Information Platform Study Group).

1. Expand Domain Message Dictionaries for Japanese Industries

- Aircraft manufacturing industry

- Automobile parts makers (SME)

- Payment instruction for PO Finance

2. POC of Domain Message in Bangkok for Japanese originated

company

3. Investigate and try XML embedded PDF message with Signature

4. POC for Registry for Domain Message Dictionaries in Japan

(3) HS proposed action plans for AFACT

1. Translate UN/CCL in the domestic language

2. Define Domain Messages based on UN/CCL

3. Establish Registry for Domain Messages in each country

(4) Issues by participants

1. Refer to ISO26324 (specifies the syntax, description and resolution functional components of the digital object identifier system, and the general principles for the creation, registration and administration of DOI names.)

2. Consider the objective of ROR (Registry of Registry) referring to the experience in Korea (REMKO).

3. Common Repository requirement in AFACT to be considered.

4. Implementation and Operation of AFACT ROR to be assessed. (Who and How). → See Appendix 2.

(5) Action agreed

✧ HS will prepare the demonstration kit for Japanese registry.

✧ Eva Yueh (EY) will make a plan to promote CIDL Framework using the demonstration kit.

III. SOA Interoperability Framework by Youngkon Lee (YL)

(1) YL reported that he has finalized the guideline of SOA Service Modeling Methodology and it was published.

(2) Action agreed:

✧ TMC temporary closed the project and waiting the next emerging project on SOA implementation.

✧ Ask the secretariat to publish the guideline on AFACT website.

IV. The new project on Cloud Computing

(1) Zonyin Shae (ZS) from Chinese Taipei made a presentation on the new WG proposal for Cloud Computing.

✧ Objectives:

- To establish a standard format and mechanism for the interoperable virtual appliance marketplace for the cloud applications
 - Deploying applications and services in standards-compliant environment avoids vendor lock-in and enables “AppStore” for Cloud applications and services.
- (2) ZS also introduced the TT&L application based on Cloud Computing.
- (3) Action agreed
- ✧ TMC proposes the new WG named “Cloud Computing” under TMC to Steering Committee. → See Appendix 3.

V. eInvoicing status and the new approach using PDF/XML

Wanawit Ahkuputra (WA) made 3 presentations as follows.

- (1) Electronic Invoicing in Europe

In EU, eInvoicing project is started using UN/CEFACT CII. This situation may be useful for BDC.
- (2) Intelligent Form implementation in Thailand

TMC will continue to study XML Forms Architecture (XML/PDF) for promoting CCL in Asian region.
- (3) Cross Industry Invoice implementation in Thailand

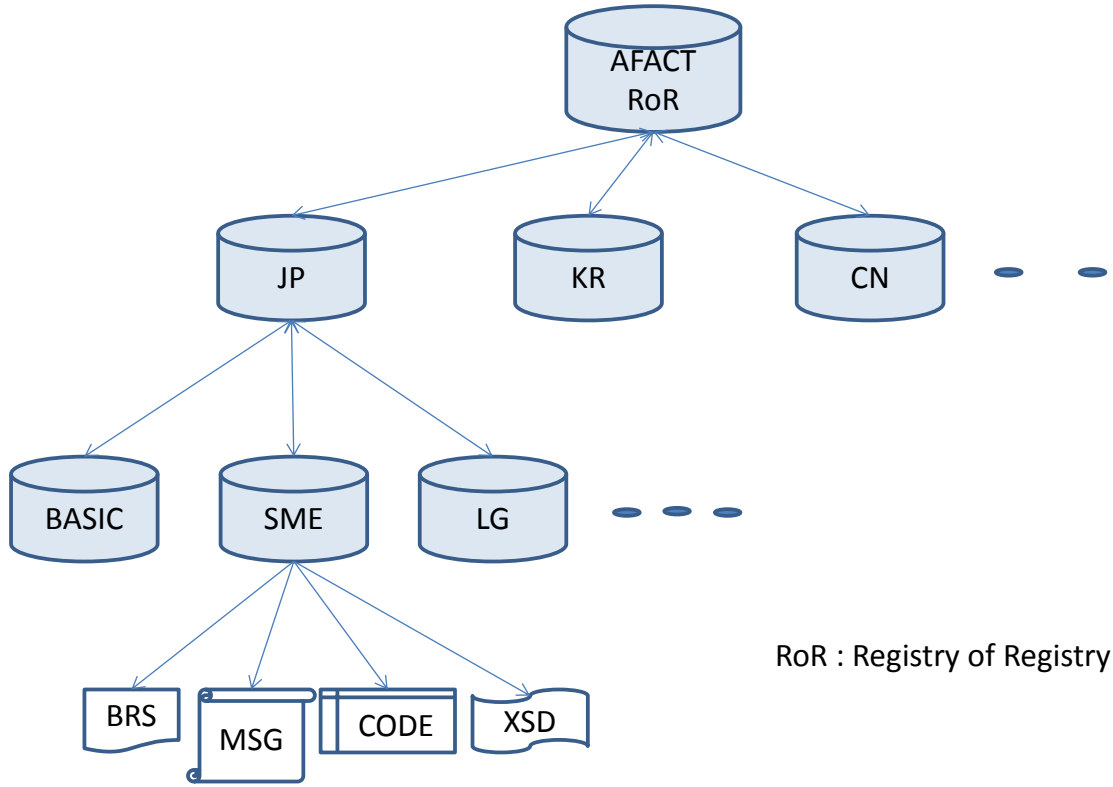
ETDA implementation of OID for Registry and CMR (Code and Message Repository) should be referred in the project of ROR for AFACT.

(Appendix 1: Participant list)

AFACT Midterm TMC & CSC Joint meeting Participant List			
Chiang Mai, Thailand 29thMay2014			
	Name	Country/Economy	Organization
1	Hisanao Sugamata	Japan	SIPS, TMC Chair
2	YoungKon Lee	Korea	KPU
3	Wanawit Ahkuputra	Thiland	ETDA
4	Eva Yueh	Chinese Taipei	III
5	Zonyin Shae	Chinese Taipei	III
6	Suchayapim Siriwat	Thiland	ETDA

(Appendix 2)

AFACT RoR Future Image



(Appendix 3)

Technology and Methodology Committee (TMC)

Cloud Computing WG

1. WG Name

Cloud Computing Working Group

2. Background:

- Deploying applications into cloud infrastructure has become a major business service model, and it will grow even bigger for the future to come.
- Cloud service providers in the market currently lock-in the applications and services deployed in its infrastructure. There is no interoperability. It is very difficult migrating applications and services between clouds.
- Many international standards are currently addressing the issues. Regarding of hardware standardization, there are Open Computing Project (OCP), Open Network Foundation (ONF), and Storage Networking Industry Association. Regarding of Cloud OS standardization, there are OpenStack, CloudStack, and Open Grid Forum. Regarding of Cloud Service QOS, there are Open Data Center Alliance, Cloud Standards Customer Council, and Object Management Group. Regarding of virtualization management standardization, there are DMTF Open Virtualization Format (OVF), DMTF Common Information Model (CIM), and DMTF Cloud Infrastructure Management Interface (CIMI). Regarding of cloud application standardization, there are Open Services for Lifecycle Collaboration (OSLC), and OASIS Service Component Architecture. This WG will focus on the DMTF and TOSCA (OASIS) which provide mechanisms based on OVF (Open Virtualization Format) for the application migrating between clouds.
- There are many applications and services with various properties and requirements. Users need a best practice guideline how to make use of the standard mechanisms for migrating application into cloud and between clouds.

3. Objective:

To establish the best practice for utilizing DMTF and TOSCA international standard for migrating applications and services into cloud and between clouds. Deploying applications and services in standards-compliant environment avoids vendor lock-in and enables “AppStore” for Cloud applications and services.

4. Work items:

- Identify a set of applications for migration into clouds.
- Analyze applications for migration (OS, CPU, memory, network, storage, configurations, and database).
- Define OVF for applications.
- Migrate applications into specified cloud infrastructures.
- Migrate the applications between clouds (Vmware, EC2, KVM,Hyper-V, and Xen Server)
- Prepare the guidelines for utilizing OVF.

5. Deliverables:

- Define OVF for selected applications
- Pilot projects packaged for cloud migration interoperability using OVF
- Guidelines for utilizing OVF

Current status:

There are 3 country members have expressed interests in join the WG

- (1) Chinese Taipei (Garry Lee, Deputy Director General, III): investigate cloud computing technology
- (2) Thailand (Wanawit Ahkuputra, Deputy Executive Director): provide application for migration
- (3) Korea (Young Kon Lee, Korea Polytechnic University): investigate cloud computing technology

There are also other interesting parties would like to provide applications for investigations when available (e.g. Akio Suzuki, TT&L WG from Japan)