

Report on Japanese Activities

Makoto Suzuki / JIRA

Takashi Nakashima / JAHIS

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Chicago, USA



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DICOM publicity

1) DICOM & IHE Workshop(domestic)

Vendor workshop #1	2009/May/21
Vendor workshop #2	2009/July/23
IHE tutorial @ Nagoya	2009/Aug



DICOM publicity

2) Connectathon-J 2009

Vendor workshop #1 2009/May/21

Vendor workshop #2 2008/July/23

Connectathon-J @Tokyo 2009/Oct/26-30



DICOM publicity

2) Connectathon-J 2009 (cont'd)

- Radiology
- Cardiology
- Radiation Therapy
- pathology
- IT infrastructure



DICOM publicity

2) Connectathon-J 2009 (cont'd)

Participants: 46 companies 86 systems

RAD: SWF PIR API MAMMO PDI IRWF XDS-I

CARD: CATH ECHO ECG ED IVS

PATH: LTW LBL LDA LPOCT

IT: PAM PDQ CT XDS XDS.b

RT: NTPL-S



DICOM publicity

Connectathon-J

Certification criteria

- MESA tool
- HL7 Certification tool
- test with three or more systems
- full function for qualified ACTOR profile
- Media checker/viewer for PDI

Test results are managed by KUDU



DICOM publicity

3) Standards Translation

P.S	Title	Translated
PS3.1	Introduction and Overview	2001
PS3.2	Conformance	2001
PS3.3	Information Object Definition	2001
PS3.4	Service class specification	2001
PS3.5	Data structure and encoding	2008
PS3.6	Data Dictionary	2008
PS3.7	Message Exchange	2001
PS3.8	NW Comm. Support for Mesg	2001
PS3.10	Media storage format	2008
PS3.11	Media storage Application	2008
PS3.12	Media Storage Physical Media	2008
PS3.14	Gray Scale Display	2008
PS3.15	Security and System Mgt.	2001
PS3.16	Content Mapping	2001
PS3.17	Explanatory Information	2008
PS3.18	web access (WADO)	2001
Supp 96	Universal Procedure Step	2008

Translated by 2009/Aug

Translated after 2009/Oct

New additions to DICOM2008
(Full body of DICOM2009)
was introduced
at JIRA annual meeting 2009/NOV
(13 supp's and many CP's)



JSRT activity

JSRT (Japan Soc. of Radiol. Technicians)
has introduced a new qualification.

PACS Specialist

target: in-house RT who is in charge of PACS

base knowledge: IT, DICOM, IHE

Several seminars have been done/scheduled.

The first qualification test will be held next year.



Pathology domain / JAHIS

- **HL7 message guideline**
 - Typical workflows analysis : Completed
 - HL7 message development : Started
 - define ordered data items and performed data items and define structure of both items
 - HL7 message guideline will be designed After that.
- **DICOM Image format**
 - WSI is under review by Japanese users and vendors
 - WSI: Whole Slide Imaging
 - Supp.145: Whole Slide Microscopic Image IOD and SOP Classes
 - Discussion is going on with WG26 after previous WG6
 - T-con will be held in Dec.16th



Endoscopy domain / JAHIS

- **HL7 message guideline**
 - Development of Order Messages : Completed
 - Performed Messages : be completed by end of Dec.
 - The message guideline will be published by next March
- **Image storage system**
 - Study on DICOM for endoscopy will start next year
- **IHE**
 - Planning to establish Endoscopy domain in IHE
 - The Connectathon for Endoscopy will be held in Japan next year, according to the message guideline



Documents Relationship in Endoscopy Domain served by IHE and JAHIS

<IHE Endoscopy Technical Framework>



IHE Endoscopy Vol I Profile

IHE Endoscopy Vol II Transaction

<JAHIS Endoscopy Data Exchange Protocol>

HL7 Part

Order Transaction

Performed Data Transaction

DICOM Part

JAHIS Endoscopy Data Exchange Protocol Ver1.0

Ver2.0

Done

Future Work

soon be completed

We categorized the scope of IHEVol II from technical point of view and determined to complete each part one by one.



END

