#### EXHIBITS

IMAGING

# CINCIPLE OF THE OFFICE OFFICE

### COMMUNICATION STANDARD. In today's practice, elec-

tronic health record (EHR) systems and image management software must be able to quickly and easily receive data from digital imaging devices, such as OCT, corneal topographers, and fundus cameras. In the past, many device vendors used proprietary formats for the exchange of images and related information. But the need for a single, common standard is becoming increasingly important with the proliferation of imaging devices and the necessity of transferring imaging data to EHRs—not to mention to the correct patient record. A technology standard called Digital Imaging and Communications in Medicine (DICOM) allows for this exchange. Any practice that uses an EHR or image management system will want to be sure that future purchases of digital imaging equipment conform to the DICOM standard. (For more about EHRs, see "Shop for an EHR in the Exhibit Hall," in the Friday *Academy News*. For more about image management systems, see "Image Management Systems: What You Need to Know," in June's *EyeNet Magazine*.)

The table. The Academy Medical Information Technology (MIT) Committee has been working with several imaging equipment vendors (those that are involved in the Working Group 9 for Eye Care or that completed their Virtual Exhibition company information by early July [as described below]) in order to launch a survey of DICOM compliance for imaging devices. The results of this initial survey are reported below and are intended to help ophthalmologists as they shop for products in the exhibit hall. Also, check DICOM conformance statements at www.aao.org/mit.

**Image management systems (PACS).** The MIT Committee also identified and surveyed several vendors with picture archiving and communication systems (PACS) to determine their DICOM com-

A RK-F2 N N N N	TX-20 and TX-20P N	1919 Cirrus HD-OCT models 4000 and 400, 5000 and 500 Y	Cirrus Photo Y	FF450plus with Visupac* Y	GDxPro Y N	HFA II-i Family Y	IOL- Master 500 Y	Matrix 800 Y	
<ul> <li>RK-F2</li> <li>N</li> <li>N</li> <li>N</li> </ul>	TX-20 and TX-20P N	Cirrus HD-OCT models 4000 and 400, 5000 and 500 Y	Cirrus Photo Y	FF450plus with Visupac* Y	GDxPro Y N	HFA II-i Family Y	IOL- Master 500 Y	Matrix 800 Y	
<ul> <li>N</li> <li>N</li> <li>N</li> <li>N</li> </ul>	N	Y	Y	Y	Y	Y	Y	Y	
D N	N	N	N	N	N	N	Ν	Ν	
N		•							
	N	Ν	N	N/A	Y	N/A	Y	N/A	
N	N	Y	Y	N/A	Y	Y	Y	Y	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
N/A	N/A	Y	Р	N	N/A	N/A	Y	N/A	
N/A	N/A	Y	Р	N/A	N/A	N/A	N/A	N/A	
N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
N/A	N/A	Ν	N	N/A	N	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	Ν	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	Р	N/A	N	
N/A	Ν	N	Ν	N/A	N	N/A	N/A	N/A	
	N/A           N/A	N/A	N/A     N/A     N/A       N/A     N/A     Y       N/A     N/A     Y       N/A     N/A     Y       N/A     N/A     N/A       of     no immediate plans to include it;	N/A         N/A         N/A         N/A           N/A         N/A         Y         P           N/A         N/A         Y         P           N/A         N/A         Y         P           N/A         N/A         Y         P           N/A         N/A         N/A         N/A           N/A         N         N         N	N/AN/AN/AN/AN/AN/AYPNN/AN/AYPN/AN/AN/AYPN/ANN/ANNNN/Aofno immediate plans to include it;N/A = Not applicable;N	N/AN/AN/AN/AN/AN/AN/AYPNN/AN/AN/AYPN/AN/AN/AN/AYPN/AN/ANN/ANNNN/AN/AN/ANNNNNofno immediate plans to include it; N/A = Not applicable; NR = No restN	N/AN/AN/AN/AN/AN/AN/AN/AYPNN/AN/AN/AN/AYPN/AN/AN/AN/AN/AYPN/APN/ANNNN/AN/AN/AN/ANNNN/AN/AN/ANNN/AN/AN/Aofno immediate plans to include it;N/A applicable; NR = No response.	N/AN/AN/AN/AN/AN/AN/AN/AN/AYPNN/AN/AYN/AN/AYPN/AN/AN/AYN/AN/AYPN/ANNNN/AN/AN/AN/Aofno immediate plans to include it;N/AN/AN/AN/A	N/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AYPNN/AN/AYN/AN/AN/AYPN/AN/AN/AN/AN/AN/AN/AYPN/ANNN/AN/AN/AN/AN/AN/ANNN/AN/AN/AN/AN/ANNN/AN/AN/AN/AN/ANNN/AN/AN/AN/AN/ANNN/AN/AN/AN/AN/ANNN/AN/AN/AN/AN/ANNNN/AN/AN/AN/ANNNN/AN/AN/A

## DICOM COMPLANCE WHAT YOU NEED TO KNOW

pliance. To see the results of that survey, go to <u>www.aao.org/mit</u>.

Visit the Virtual Exhibition. Go online for the most up-to-date list of exhibi-

#### FURTHER INFORMATION

- "EHRs: Strategies for Integrating Diagnostic Devices," *EyeNet*, April 2013. <u>www.eyenet.org/archives</u>.
- The Academy Medical Inform
- Technology site at <u>www.aao.org/mit</u>.
- The DICOM website: <u>http://medical.</u> <u>nema.org</u>.

tors who have self-identified as offering "Digital Imaging," "Imaging," or "Imaging Systems" products. Go to <u>www.aao.</u> <u>org/2013</u>, select "Exhibition" and then "Virtual Exhibition," and then search by category.

Learn more. For further education about DICOM, attend Using a Fully Integrated DICOM Imaging and EHR System (Tech12) presented by Jeffrey Marx, MD. When: Monday, Nov. 18, 11 a.m.-noon. Where: Technology Pavilion (Hall II, Booth 5145). Access: Free.

**See how it works**. Visit The Electronic Office (Hall G, Booth 3851). Get a

10-minute demo and experience the value of integrating your EHR system.

**Vendors: Participate in future surveys.** The survey results below, and those of the PACS survey, will be updated at <u>www.</u> <u>aao.org/mit</u> approximately every three months; if you would like your product to appear in the next update, please contact Flora Lum, MD, at flum@aao.org.

**The Annual Meeting survey.** To be included in the 2014 survey that is published in *Academy News*, imaging device exhibitors should complete their Virtual Exhibition company information by Dec. 30, 2013 (or at the latest by early July

after the Virtual Exhibition reopens next summer), specifying "Digital Imaging," "Imaging," or "Imaging Systems" under the categories tab. Image management system exhibitors must complete Virtual Exhibition company info that specifies "Image Management System (PACS)" under the categories tab.

DISCLAIMER: All information and claims are those of the vendors and have not been verified, nor does the appearance of the product constitute an endorsement of the company or product by the American Academy of Ophthalmology, EyeNet Magazine, or Academy News.

				CSO	HEIDELBERG Engineering	KOWA Optimed	NIDEK			OCULUS	OPTOVUE		TOPCON MEDICAL SYSTEMS		
				2828	445	3739	1045			1628	3221		1644		
	Stratus OCT	Visante OCT	Visucam Family*	Phoenix 2.6†	Spectralis OCT v 5.4 and higher†	VK-2e v5.4	US 500, US 4000, and US-4000 AB Echo Scan	AFC-330 Non-Myd Camera	F-10 Scan- ning Laser Ophthalmo- scope	OCULUS Pentacam v 1.17	iVUE SD-OCT	RTVue SD-OCT	3DOCT 2000 Fastmap	Topcon EZ-LITE 2	SP-1P
	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Ρ	Ρ	P, March 2014	Y	Y
	Ν	Ζ	N	Y	P, 2014	Y	Y	Y	Y	Y	Ρ	Ρ	P, Dec. 2013 (Storage commitment) N (MPPS)	P, March 2014	Ν
	N/A	Y	N/A	Y	Ν	Y	Y	Y	Y	Y	Y	Y	N/A	Y	Y
	Y	Y	N/A	Y	Y	N/A	Y	Y	Y	Y	Y	Y	P, Dec. 2013	N	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
	Ν	Ν	Y	Y	Y	Y	N/A	Y	Υ	Ν	Y	Y	P, Dec. 2013	Y	Ν
	Ν	Ν	N/A	N/A	Y	N/A	N/A	N/A	N/A	Ν	Р	Р	P, Dec. 2013	N/A	N/A
	N/A	N/A	N/A	Ν	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A	N/A
	N	N/A	N/A	N	N	N/A	N/A	N/A	N/A	N	Р	Р	N	N	N/A
	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A	Ν	N/A	N/A	Ν	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Ν	N/A	N/A	N/A	N/A	N/A
	Ν	N/A	N/A	N/A	Ν	N/A	N/A	N/A	N/A	N	Р	Р	Ν	N/A	N/A

†Plan to implement DICOM Supplement 168: Corneal Topography Map (date not specified).