Fact Sheet: Allura Xper FD10 for Cardiac X-ray

**Description**

The Philips Medical Systems *Allura Xper FD10* imaging system is a complete cardiac X-ray lab used in a full range of diagnostic and therapeutic procedures. The system includes:

- **G-arm:** Ceiling or floor mounted G-arm housing X-ray tube and flat detector. The arm can be positioned for a full range of viewing angles.

- **Monitors:** View live and stored X-ray images.

- **Cardiovascular table:** Carbon fiber, radiolucent patient support, with integrated system controls.

- **Viewing console:** Workspot to view, process, and archive X-ray images.

**Key Features / Facts**

- **X-ray Imaging Chain:** Optimized system combining: X-ray tube, spectral filter, Flat Detector, and Progressive Display monitors for high quality imaging in a wide variety of clinical applications.

- **Flat Detector:** A key component of the Imaging Chain. The flat detector is a new, state-of-the-art digital imaging technology, replacing the image intensifier, allowing for a more compact design, improved image quality and image resolution.

- **Dose Management:** The most appropriate image quality is provided for all clinical applications at the lowest possible X-ray dose. The comprehensive suite of technologies includes beam filters and real-time dose indicators. MRC X-ray tube enables maximum X-ray beam filtration to further reduce dose.
• **G-arm capabilities:** Unique G-arm design provides a wide range of viewing angles for all patients. Ceiling or floor mounted configurations allow for maximum room layout flexibility and patient access. *BodyGuard* technology senses and adapts to actual patient size to prevent contact.

• **Table capabilities:** 495 pound weight capacity with additional 220 pound support in case of CPR. *SyncraTilt* option allows the stand and table movements to be synchronized.

• **Data and Image Management:** IHE (Integrating the HealthCare Enterprise) Year 3 compliant connectivity with DICOM (Digital Imaging and Communications in Medicine). DICOM is the recognized standard for medical images, enabling images and data to be shared on hospital information networks.

**Clinical Areas of Use**

• **Applications:** Diagnostic and therapeutic cardiac catheterization exams. Cardiac focused configuration employs a 7” by 7” flat detector. Typical procedures include: diagnostic angiograms, angioplasty and stent placement.

• **Specialties:** Cardiac catheterization procedures are typically performed by Interventional Cardiologists – sub-specialists within cardiology with special training in catheter-based diagnostic and interventional procedures.