

DICOM WG 31

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REVISION OF THE DICOM CONFORMANCE STATEMENT TEMPLATE (SUPPLEMENT 209)

ANTJE SCHROEDER (SIEMENS HEALTHINEERS)

BRUNO LAFFIN (AGFA HEALTHCARE)

HERVE HOEHN (GE HEALTHCARE)

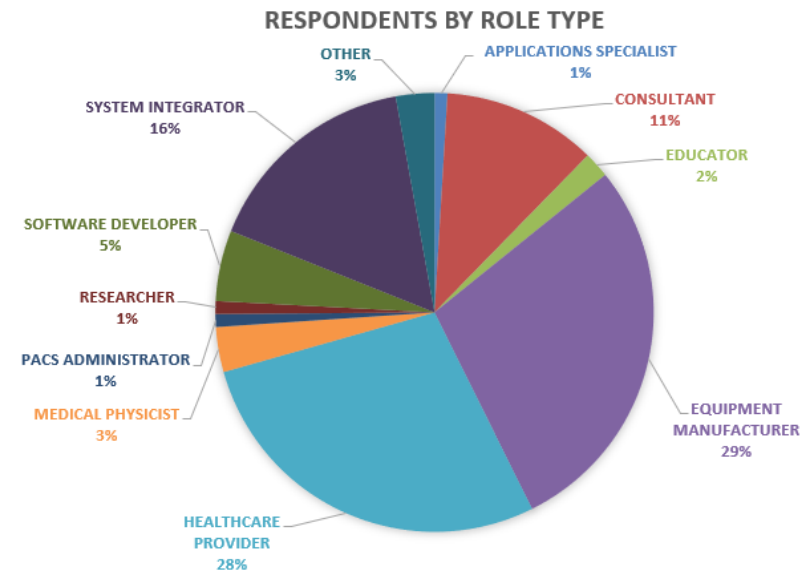
YOGALAKSHMI SELVARAJAN (PHILIPS)

CAROLYN HULL (MITA)

Background and motivation for revision

- Based on a survey¹ the following problems were identified in current DICOM Conformance Statement (DSC) vendor documents

- **Too technical**, not suited for all user groups
- **Too many differences** across vendors
- **Incomplete**, making comparison difficult
- **Too many repeats**, much repetitive information
- **Bad information grouping**, information belonging together split across sections
- **Missing information** on display capabilities, web services, security...



¹) WG31 DSC Survey, 211 responses, May-June 2017

Objectives for the DSC template and instruction revision

- Main improvements targeting content and structure to facilitate:
 - Better meet needs of all user groups (service, R&D, testing, sales ...)
 - Better facilitate comparing different product's DICOM functionality
 - Provide essential information in table format for readability and processing
 - Avoid ambiguities/inconsistencies between different vendor documentation
 - Address currently not documented functionality (display functionality, web services, security)
 - Provide a more detailed template to make it easier for vendors to populate

Structure of new DICOM Conformance Statement

1. Overview
2. Table of Contents
3. Introduction
4. Implementation Model
5. Service and Interoperability Description
 - DIMSE, Web Services, Real Time Video, Media
6. DICOM Configuration
7. Network and Media Communication Details
8. Security
 - Annex A: Information Object Definitions
 - Annex B: Structured Report Content Encoding
 - Annex C: Security Details
 - Annex D: Mapping of Attributes
 - Annex E: Code Set Usage

Structure of New Overview Section

Most DCS readers will be able to get **all key information** from a concise **Overview** section:

- High-level architectural diagram of the supported interfaces
- All supported SOP classes, their usage (creation, display, and archival), and transfer syntaxes
- All supported DIMSE, web, real time video and media services
- Summary of the structured reporting template identifiers (TIDs)
- Supported deidentification profiles
- Supported Specific Character Sets

Main drivers and contact info

- Antje Schroeder (aschroeder@siemens-healthineers.com)
- Bruno Laffin (bruno.laffin@agfa.com)
- Herve Hoehn (herve.hoehn@med.ge.com)
- Yogalakshmi Selvarajan (Yogalakshmi.S@philips.com)
- Carolyn Hull (MITA) (chull@dicomstandard.org)

Submit comments to dicom@dicomstandard.org