

README.8g.docx Directory summary for directory «**aECG.8g.2013-01-25**»

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Based on IEEE Std 11073-10102-1012 Annotated ECG [Annex C]

This directory includes the Schema and XML files that specify the computable representation of the IEEE Std 11073-10102 Annotated ECG nomenclature and the XSLT transforms that were used to prepare it for publication.

A notable contribution of this work is that it defines a unified representation that has been used by other extensions to the IEEE 11073 nomenclature, including IEEE Std 11073-10103 nomenclature for implanted cardiac devices, the Integrating the Healthcare Enterprise Patient Care Devices (IHE PCD) Rosetta Terminology Mapping (RTM), and NIST Rosetta Terminology Mapping Management System (RTMMS), in addition to this standard. In particular, the «**terms.8f.xsd**», «**discrims.8f.xsd**» Schema and «**tableOutput.8g.xsl**» transform can be, and have been, used interchangeably across all three nomenclature efforts. As a consequence, these files support additional capabilities not necessarily required for this standard that are invoked when specific data fields are present (or not).

This directory includes the following files [with Annex C reference]:

«**terms.8f.xsd**» The XML Schema for the files that define the normative base nomenclature. [Annex C.2]

«**discrims.8f.xsd**» The XML Schema for the files that define the discriminators. [Annex C.3]

«**ECG_ANN_discrims.8g.xml**» The XML document that defines the discriminators referenced by the base nomenclature. [Annex C.4]

The XML documents that define the normative base nomenclature: [Annex C.5 through C.15]

ECG Lead Identifiers «**ECG_LEADS_terms.8g.xml**» [C.5]

ECG WAVC Wave Components «**ECG_WAVC_terms.8g.xml**» [C.6]

ECG WAVP Pacemaker Components «**ECG_WAVP_terms.8g.xml**» [C.7]

ECG Beats «**ECG_BEAT_terms.8g.xml**» [C.8]

ECG Rhythms «**ECG_RHY_terms.8g.xml**» [C.9]

ECG Noise Annotations and Levels «**ECG_NOISE_terms.8g.xml**» [C.10]

ECG Measurements — Global «**ECG_MEAS_GLOBAL_terms.8g.xml**» [C.11]

ECG Measurements – Per Lead «**ECG_MEAS_perLEAD_terms.8g.xml**» [C.12]

ECG Lead Systems «**ECG_LEAD_SYSTEMS_terms.8g.html**» [C.13]

ECG Control Variables «**ECG_CTL_VBL_terms.8g.xml**» [C.14]

ECG Information Attributes «**ECG_INFO_ID_terms.8g.xml**» [C.15]

«**tableOutput.8g.xsl**» [C.16] The XSLT transform that is used to produce the tabular listings of base terms in A.3 through A.13. This transform is applied to each of the files in C.5 through C.15, e.g. «tableOutput.8g.xsl» is applied to «ECG_RHY_terms.8g.xml» to produce «ECG_RHY_tableOutput.8g.html».

«**codeOutput.8g.xsl**» [C.17] The XSLT transform that is used to expand all the base terms using discriminators and calculate numeric codes for each of the expanded terms. This transform is applied to each of the files in C.5 - C.15 e.g., «codeOutput.8g.xsl» is applied to «ECG_RHY_terms.8g.xml» to produce «ECG_RHY_codeOutput.8g.xml». The latter set of files is also used as input by «consolidatedTableOutput.8g.xsl»).

«**consolidatedTableOutput.8g.xsl**» [C.18] The XSLT transform used to produce the consolidated tabular listing of expanded based terms in Annex B.2. The «consolidatedTableOutput.8g.xsl» transform references each of the «xxx_codeOutput.8g.xml» files to create a single table listing the REFID, PART, CODE10, and CF_CODE10. The consolidated output file «**consolidatedTableOutput.8g.2012-10-01.html**» is included in its entirety in this directory and a subset was included as Annex C.19 in the standard.