

SECTION 17 - QUALITY PRINCIPLES

<u>Part</u>	<u>C</u>	<u>Type & Subject</u>	<u>Pages</u>	<u>Status</u>
17.0.0	37-3	Introduction to Section 17	1	Reaffirmed 2015
<u>17.1 Recommended Definitions</u>				
17.1.1	37-3	Definitions of Terms Used in the Manual Parts in Section 17	9	Reaffirmed 2018
<u>17.2 Recommended Quality Assurance</u>				
17.2.1	37-3	Recommended Quality Assurance Program for Electronic/Software-Based Products Used in Vital Signal Applications	3	Revised 2019
<u>17.3 Recommended Safety Assurance</u>				
17.3.1	37-3	Recommended Safety Assurance Program for Electronic/Software Based Products Used in Safety-Critical (Vital) Applications	13	Revised 2019
17.3.3	37-3	Recommended Practice for Hardware Analysis for Vital Electronic/Software-Based Equipment Used in Safety-Critical (Vital) Applications	24	Revised 2019
17.3.5	37-3	Recommended Procedure for Hazard Identification and Management of Vital Electronic/Software-Based Equipment Used in Safety-Critical (Vital) Applications	16	Revised 2019
<u>17.4 Recommended Reliability & Maintainability Assurance</u>				
17.4.1	37-3	Recommended Reliability and Maintainability Assurance Program for Electronic/Software Based Products Used in Vital Signal Applications	6	Revised 2015

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<u>Part</u>	<u>C</u>	<u>Type & Subject</u>	<u>Pages</u>	<u>Status</u>
<u>17.5 Recommended Configuration Management and Validation & Verification</u>				
17.5.1	37-3	Recommended Configuration Management Program for Electronic and/or Software-Based Products Used in Vital Signal Applications	3	Revised 2015
17.5.2	37-3	Recommended Configuration Management Program for In-Service Executive and Application Software Configuration Items Used in Vital Signal Applications	6	Revised 2019
17.5.3	This Manual Part has been renumbered 17.7.2.			
<u>17.6 Recommended Quality and Safety Audits</u>				
17.6.1	37-3	Recommended Guidelines for Conducting Quality and Safety Audits of Electronic/Software Based Products Used in Vital Signal Applications	5	Reaffirmed 2016
<u>17.7 Recommended Guidelines for Verification and Validation Testing</u>				
17.7.1	37-3	Recommended Guidelines for Verification and Validation Testing of New Application Software for Electronic and/or Software Based Products Used in Vital Signal Applications	5	Reaffirmed 2018
17.7.2	37-3	Recommended Guidelines for Validation & Verification Testing of Revised Application Software for Electronic/Software Based Products Used in Vital Signal Applications	4	Revised 2018