



# EU Annex 11 Guide to Computer Validation Compliance for the Worldwide Health Agency GMP

By Orlando Lopez, Markus Roemer

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The purpose of Annex 11 is to provide the EMA healthcare industry with consistent criteria for effective implementation, control, and use of computer systems. **EU Annex 11 Guide to Computer Validation Compliance for the Worldwide Health Agency GMP** supplies practical information to facilitate compliance with computer system GMP requirements, while highlighting and integrating the Annex 11 guidelines into the computer compliance program.

The ideas presented in this book are based on the author's 25 years of experience with computer validation in the healthcare industry with various computer systems development, maintenance, and quality functions. The book details a practical approach to increase efficiency and to ensure that software development and maintenance are achieved correctly.

Examining the implementation of the computer systems validation entirely based on EU Annex 11, the book includes examples from laboratory, clinical, and manufacturing computer systems. It also discusses electronic record integrity associated with stored information.

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#### About the Author

**Orlando López** is the SME for the GAMP Data Integrity SIG. He has 25 years of experience in worldwide pharmaceutical experience with relevant work in computer systems regulatory requirements including US, EU, Australian, Japanese, WHO, PIC/S, and ICH regulations and guidance. His special interest is the GMP compliance issues applicable to computer systems.

He has experience with direct participation in FDA agency remedial action plans, regulatory inspections, response activities, and consent decree remediation-related verifications. He is the author of two other books: *21 CFR Part 11?A Complete Guide to International Compliance*, Taylor & Francis/CRC Press, 2004, and *Computer Infrastructure Qualification for FDA Regulated Industries*, Davis Healthcare International Publishing, 2006.

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