

# QUALITY ASSURANCE PROGRAM MANUAL

**WYLE** SCIENTIFIC SERVICES  
LABORATORIES & SYSTEMS  
GROUP

JUNE, 1988

## QUALITY DIRECTIVES

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## POLICY AND APPROVAL

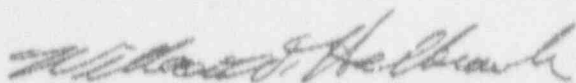
Wyle Laboratories was established in 1949 as an independent testing laboratory providing services to the aerospace industry. From this very early experience with testing, Wyle has played a leading role in the development of testing techniques and procedures which are now recognized throughout all industry as the standard for test control.

Having been a party to the development of the world's testing standards, and having been in the testing business for over thirty years, management recognizes the sound business value of maintaining formal programs to ensure the quality of testing and engineering operations.

It is the policy of the management of Wyle Laboratories to maintain the highest standards of quality throughout all its operations in accordance with all applicable recognized standards. The detailed requirements for ensuring the highest standards of quality are contained in this Quality Assurance Program and are applicable to all groups resident at and certain groups managed from the Huntsville Facility. This Quality Assurance Program is designed to ensure compliance with applicable provisions of 10 CFR 21, 10 CFR 50/Appendix B, ANSI Standard N45.2, RDT-F2-2T, MIL-Q-9858A, NHB 5300.4 (1B) & (1C), NHB 5300.4 (1D-2), MIL-I-45208A, MIL-STD-45662, BS 5882, and other customer-imposed specifications.

To ensure effective implementation of the Quality Assurance Program, Wyle Laboratories has designated a Quality Assurance Manager who is responsible for maintaining the high quality standards. The Quality Assurance Manager reports to top management, and his authority, in quality matters is absolute and unquestioned.

WYLE LABORATORIES  
Huntsville, Alabama



W.W. Holbrook  
Vice President, Eastern Operations

JUNE 1988

## INTRODUCTION

The purpose of this Quality Assurance document is to establish the basic operating policies and specify requirements for the procedures to be employed by all entities located at or directed from the Wyle Laboratories Huntsville facility to meet the applicable requirements of the latest revisions of 10 CFR 21, 10 CFR 50/Appendix B, ANSI Standard N45.2, RDT-F2-2T, MIL-Q-9858A, NHB 5300.4 (1B) & (1C), NHB 5300.4 (1D-2), MIL-I-45208A, MIL-STD-45662, BS 5882, and other customer-imposed specifications.

The total quality program functions under the direction and guidance of the Quality Assurance Manager. He is responsible for maintaining surveillance over the Quality Assurance activities through direct supervision over Quality Assurance personnel in areas requiring surveillance.

Quality Assurance influence begins with a review of the basic contract or purchase order to determine the quality needs. Subsequent quality activity is monitored by implementation of detailed inspection checkpoints determined by Quality Assurance. Scheduled quality audits are imposed by the Quality Assurance Manager to evaluate program effectiveness.

The effectiveness of the quality program is enhanced by the authority granted the Quality Assurance Manager to suspend any operation, or to reject materials, services, or procedures which do not meet established standards. Quality Assurance operations are not influenced or reduced by considerations such as schedules, rework, costs or budgetary responsibilities, or engineering changes, since all deviations from requirements are coordinated with the Quality Assurance Manager who has unimpeded access to top management for the resolution of critical problems.

Through stringent controls adequate quality records of all related operations are documented and maintained to serve as evidence of quality. Final reports are thoroughly reviewed by Quality Assurance.

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## MATRIX QUALITY ASSURANCE REQUIREMENTS

TITLE	16 CFR 59 Appendix B	ANSI N 45.2	RDT- FT-2T	MIL-Q- 9853A	NASA NHB 5300.4(1B)	NASA NHB 5300.4(1C)	NASA NHB 5300.4(1D-2)	MIL-L- 46206A	MIL-STD- 46202	ES 5892
Organization	I	3	2.3	3.1	1E201	1C201	1D500	NONE	NONE	2
Quality Assurance Program	II	2	2.2	3.2, 1.2	1E201	1C201	1D500	3.1	4.9	1
Design Control	III	4	3	4.1	1E301	1C202	1D501	3.2.4	NONE	3
Procurement Document Control	IV	5	4	5.1, 5.2	1E501-510	1C300	1D503	3.1.2	NONE	4
Instructions, Procedures, and Drawings	V	6	5.3, 2.4	3.3	1E302	1C201	1D501	3.2.1, 3.2.4	5.5	5
Document Control	VI	7	3.4, 5.7	4.1	1E202	1C202	1D502	3.2.1, 3.2.4	NONE	6
Control of Purchased Materials	VII	8	4	5.1, 5.1	1E504-507	1C303	1D504	3.1.3, 3.1.2	NONE	7
Identification and Control of Materials, Parts & Components	VIII	9	5.4	5.1	1E501	1C303	1D504	3.5, 3.6	NONE	8
Control of Special Processes	IX	10	5.5	6.2	1E603	1C307	1D504	NONE	NONE	9
Inspection	X	11	5.6	6.3	1E701-706 1E1000-1001	1C204 1C304	1D505	3.2.1, 3.10, 3.11	NONE	10
Test Control	XI	12	5.6	6.3	1E701-706	1C304	1D505	3.4	NONE	11
Control of Measuring and Test Equipment	XII	13	5.8	4.2-4.5	1E900-907	1C310	1D506	3.3	5.1	12
Handling, Storage, and Shipping	XIII	14	5.1.2	6.4	1E100-1102	1C203	1D509	3.6	5.11	13
Inspection, Test, and Operating Status	XIV	15	5.6.4	6.7	1E605-506 1E701-706	1C306	1D505	3.5	5.9	14
Nonconforming Materials, Parts, or Components	XV	16	5.10	6.5	1E800-805	1C305	1D506	3.7	5.6	15
Corrective Actions	XVI	17	2.6	3.5	1E500-506	1C309	1D506	3.2.3	NONE	16
Quality Assurance Records	XVII	18	2.4	3.4	1E400-405	1C103 1C305	NONE	3.2.2	5.8	17
Audits	XVIII	19	5	NONE	1E205	NONE	1D509	NONE	NONE	18
Workmanship Standards	NONE	NONE		NONE	1E504	1C308	1D504	NONE	NONE	NONE
Government Property Controls	NONE	NONE		7.2	1E1300	1C204	1D511	3.6	NONE	NONE