



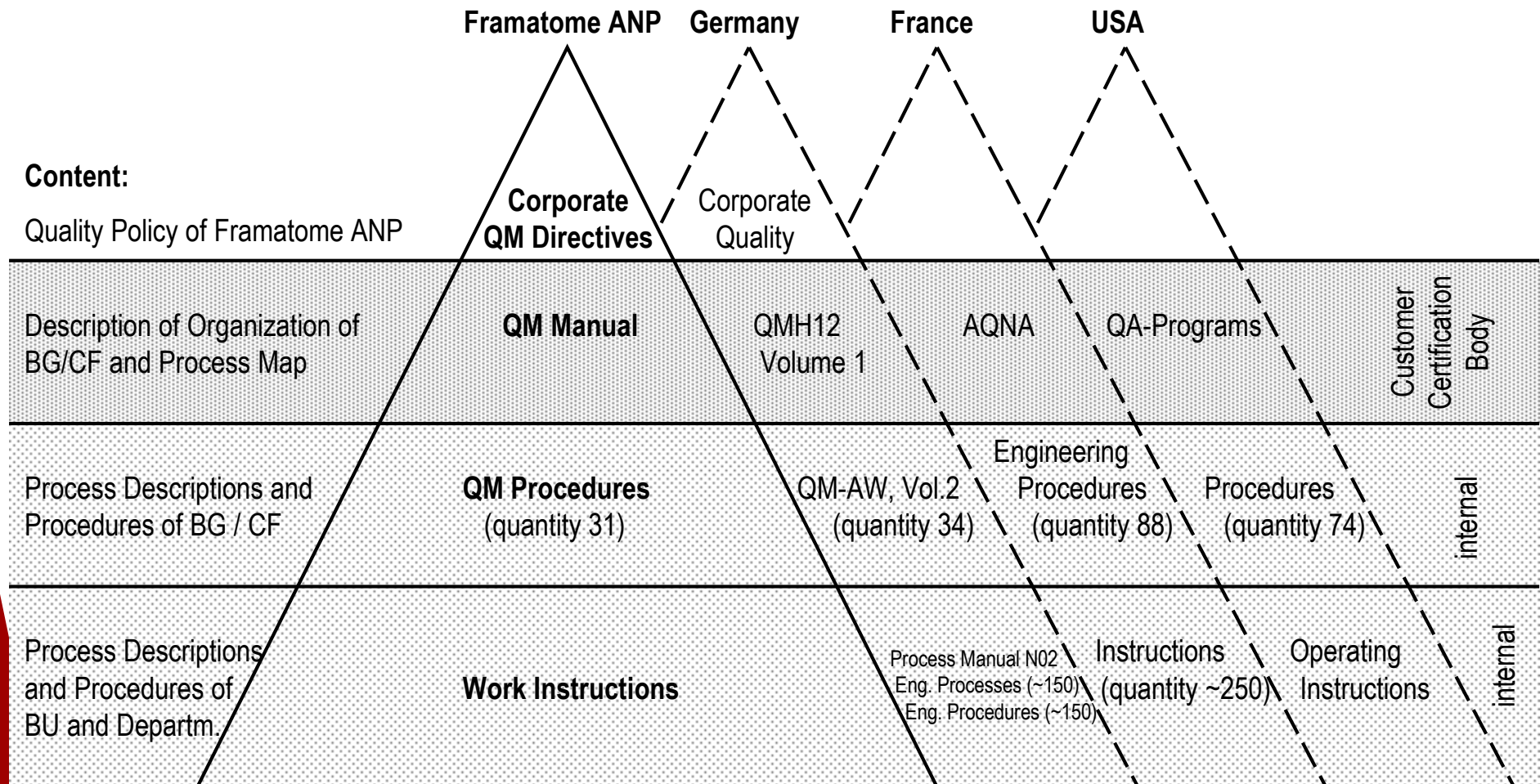
FRAMATOME ANP



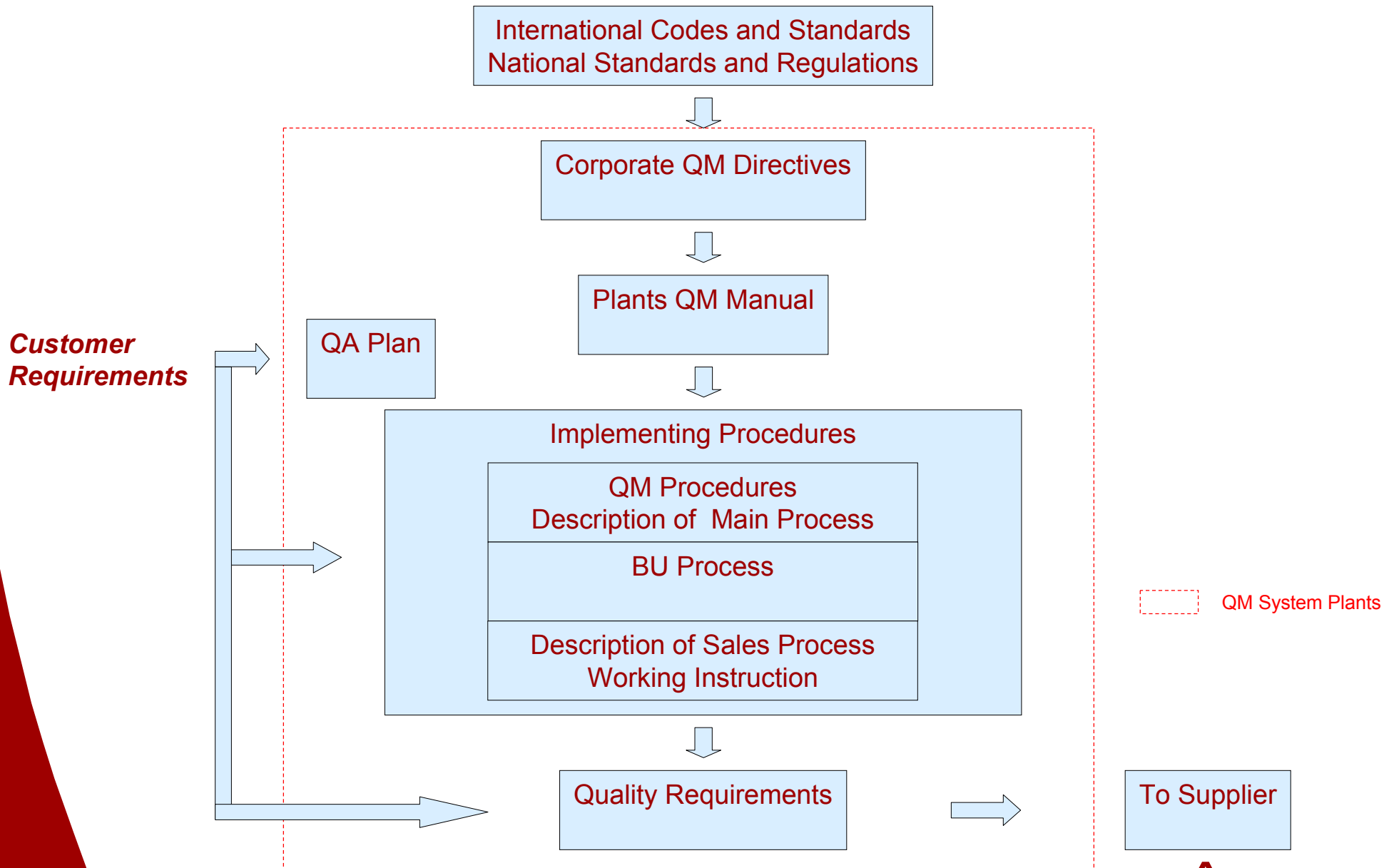
SWR - 1000 : NRC Visit

FRAMATOME ANP QA Program

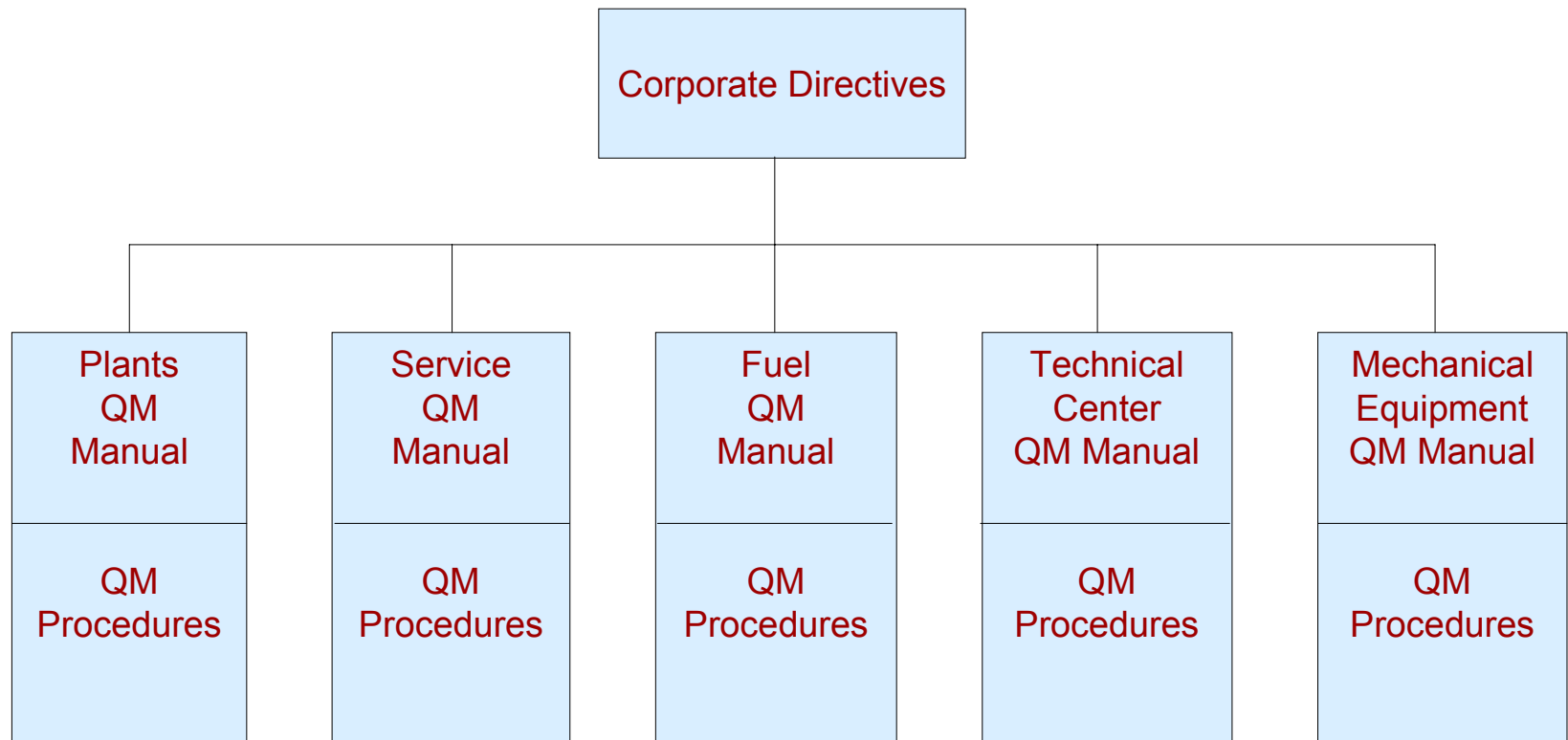
QM System Documentation



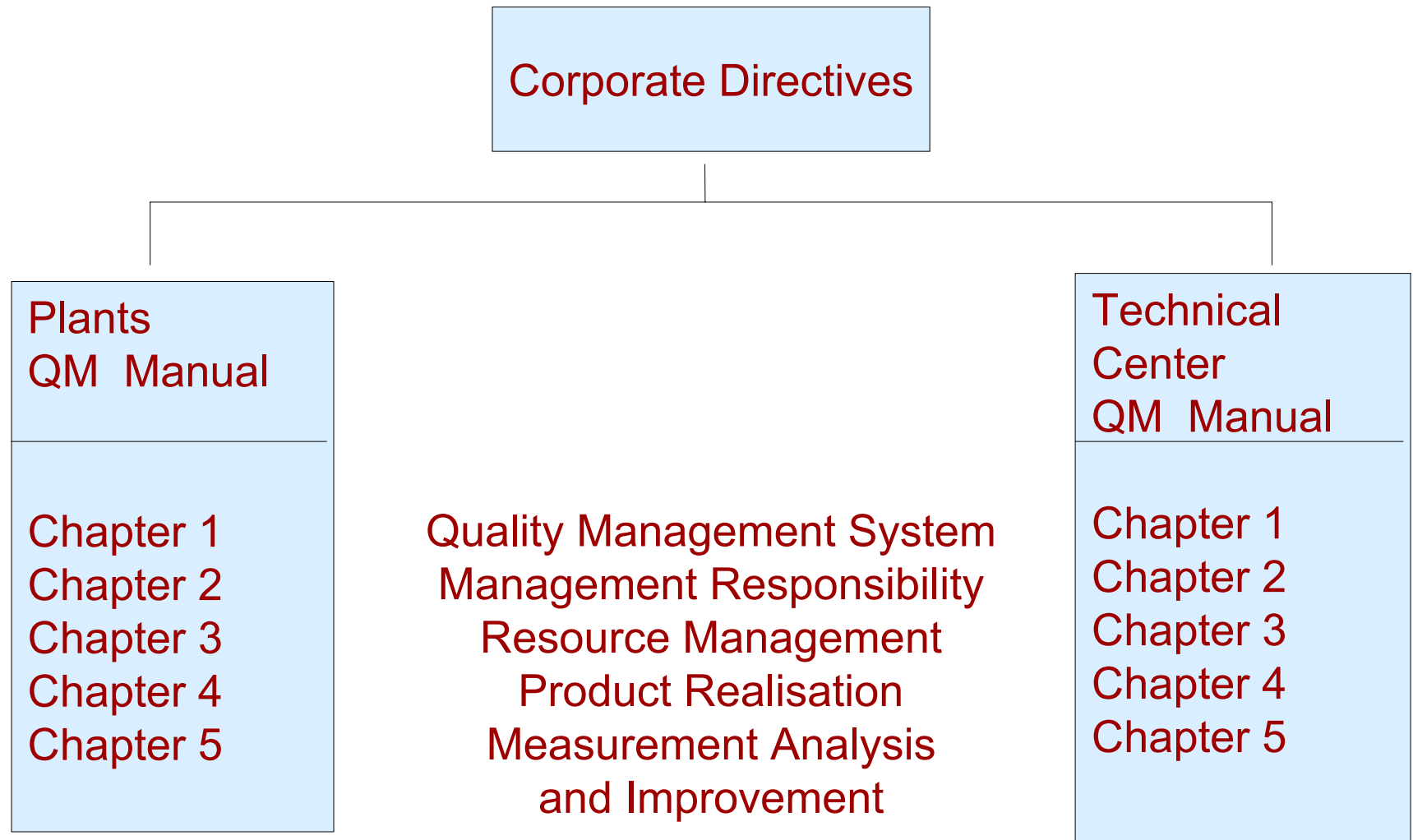
Structure of QA Documents in FANP



QA Program Documentation

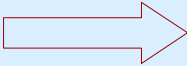
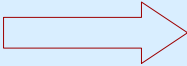
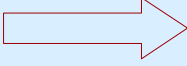


Programmatic Elements of QA Program



Elements of Chapter 1 in compliance with 10CFR50, App. B QA Program

Quality Management System:

- Management of Business Processes
- Documentation of QM System  **Criterion II**
QA Program
and **Criterion V**
Instruction procedures
and drawings
- Control / Documents of Data  **Criterion VI**
Document Control
- Control of Quality Records  **Criterion XVII**
QA Records

Elements of Chapter 2 in compliance with 10CFR50, App. B

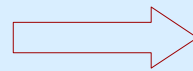
Management Responsibility:

• Management Commitment and Quality Policy		Criterion I Organization
• Customer focus		
• Planning of QA System		Criterion II QA Program
• Organization		Criterion I Organization
• Management Review		Criterion II QA Program

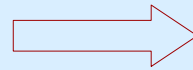
Elements of Chapter 3 in compliance with 10CFR50, App. B

Resource Management:

- Provision of Resources
- Human Resources
- Infrastructure and Work Environment



Criterion II
QA Program



Criterion I
QA Program

Elements of Chapter 4 in compliance with 10CFR50, App. B

Product Realization:

• Planning of Product Realization	⇒	Criterion III Design Control
• Customer Related Processes		
• Design and Development	⇒	Criterion III Design Control
• Purchasing	⇒	Criterion IV Procurement Document Control Criterion VII Control of Purchased Material Equipment and Service
• Production and Service Processes	⇒	Criterion VIII Identification and Control of Material Parts and Components Criterion IX Control of spec. Processes Criterion XIII Handling, Storage and Shipping Criterion XIV Inspection, Test and Operating Status
• Control of Measuring and Test Equipment	⇒	Criterion XII Control of Measuring and Test Equipment

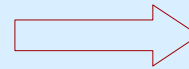
Elements of Chapter 5 in compliance with 10CFR50, App. B

Measurement Analysis and Improvement:

- Planning of Measurement Analysis and Improvement

- Monitoring and Measurement

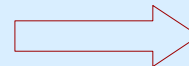
Criterion XI



Criterion X
Inspection

Test Control

- Control of Nonconforming Product

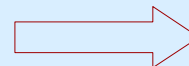


Criterion XVII
Audit

Criterion XV
Nonconforming Material,
Parts and Components

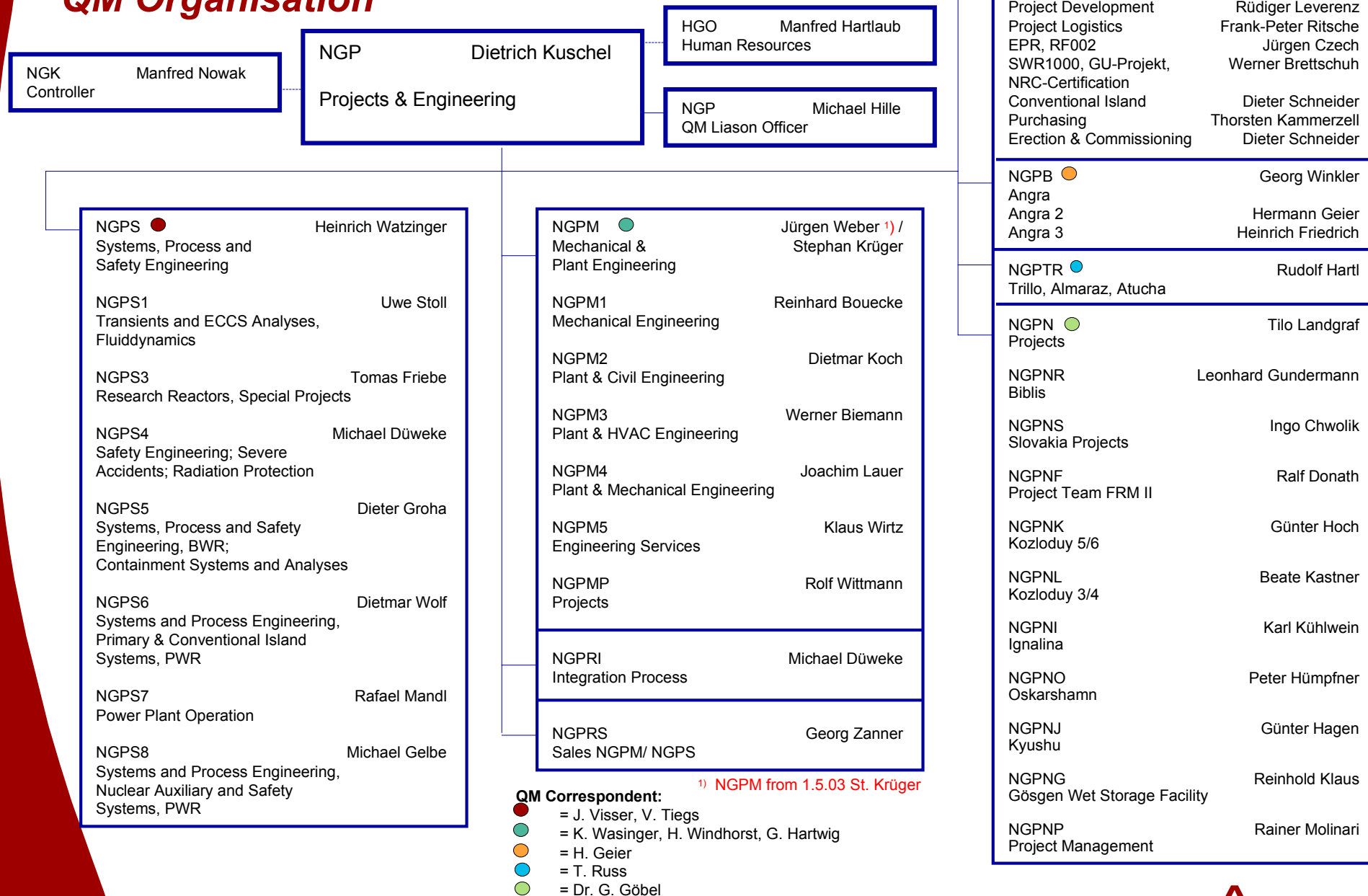
- Analysis of Data

- Improvement



Criterion XVI
Corrective Action

Organisation of NGP together incl. the QM Organisation



Function of QM Correspondents of the Local Units

- Information of the Local Unit Manager on the Quality Management System
- Coordination of compilation and issue of working instruction of their Local Unit
- Support nonconformance analysis, corrective and preventive actions
- Participation in internal quality audits, in customer and third party audits and process reviews.

Support for:

- QM indoctrination of personnel
- QM system implementation
- Identification of improvement needs.

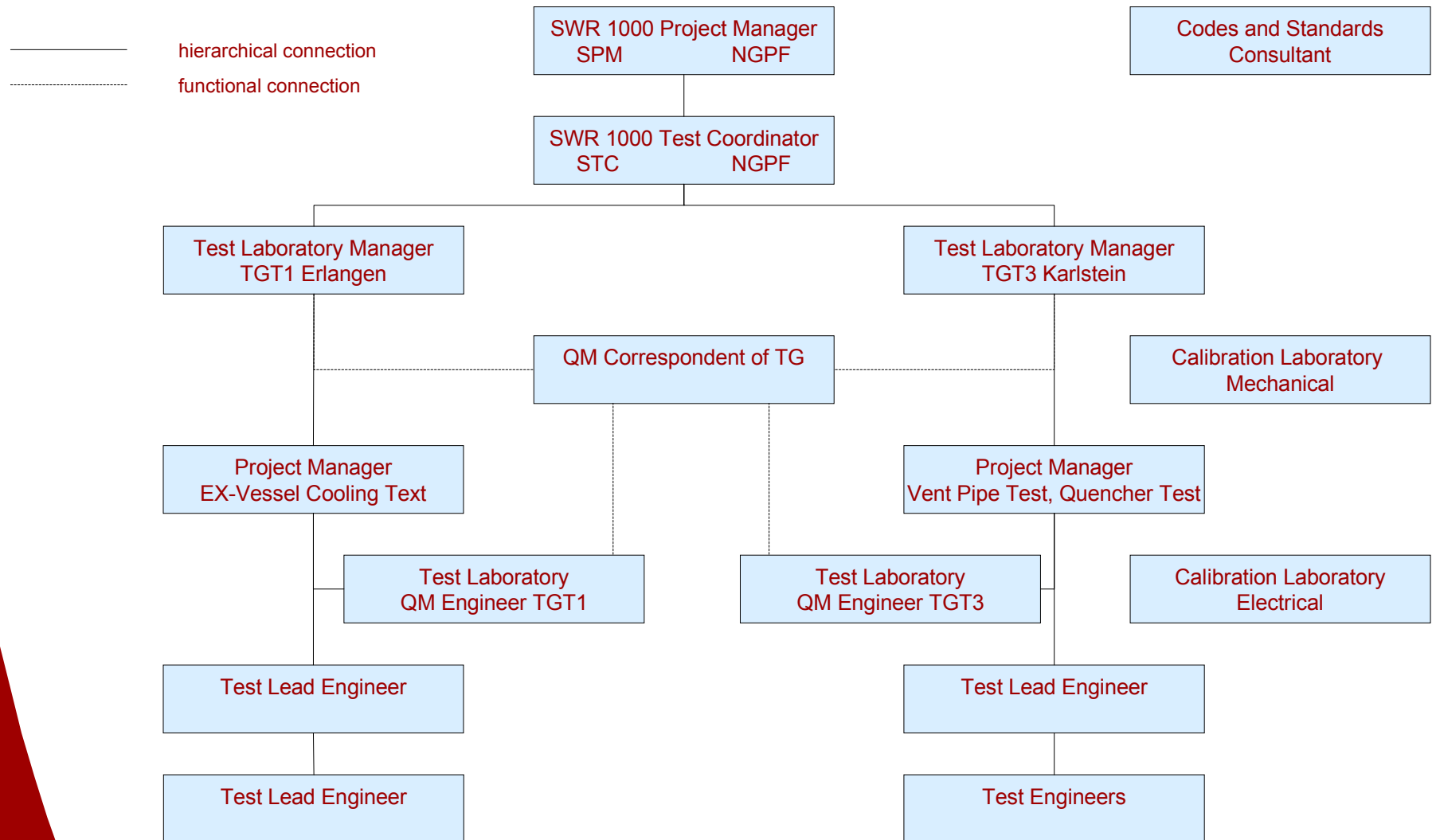
Elements of chapter 3 in compliance

Quality Assurance Plan (QAP) No. TG-001

SWR 1000, Ex-Vessel Cooling Test, Vent Pipe Test and QUENCHER Test

This QAP defines the project-related organizational structure and specifies the provisions for the application of the QM system of Framatome ANP for the Ex-Vessel Cooling Test, the Vent Pipe Test and the QUENCHER Test for the SWR 1000 project to be performed in the test Laboratories TGT1 in Erlangen and TGT3 in Karlstein.

Organizational Structure SWR 1000 Tests

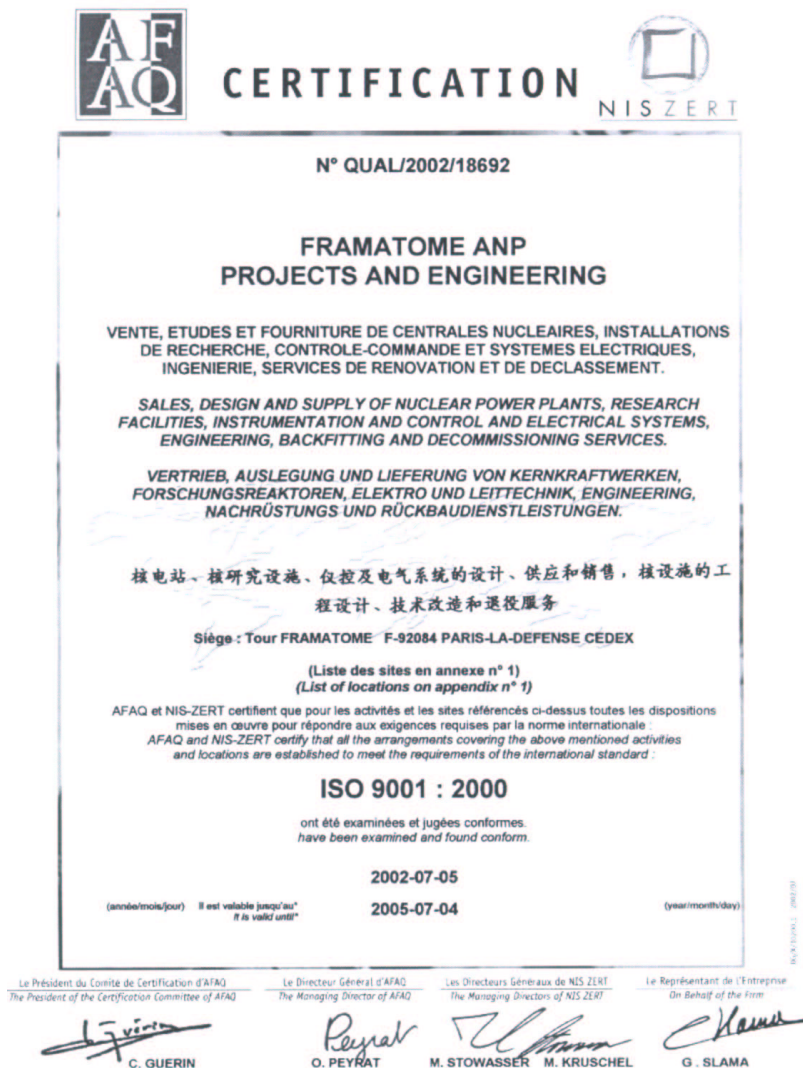


Role of Project Management (NGPF)

Control of Test Documents and Records

Type of Document / Record	Preparation	Review	Approval	Release
Test Requirements Document	STC	-	SPM	SPM
Test Procedures	TLE	TQE	PM	STC or SPM
Test Records	TE	-	TLE	TLE
Test Report / Final Report	PM	TQE	TM	STC or SPM

STC	=>	SWR 1000 Test Coordinator
SPM	=>	SWR 1000 Project Manager
TLE	=>	Test Local Engineer
TQE	=>	Test Laboratories QM Engineer
PM	=>	Project Manager
TM	=>	Test Laboratory Manager





CERTIFICATE OF ACCREDITATION

This certificate accredits the named company as having had the adequacy of their quality assurance program verified for the scope of the activity shown below in accordance with the applicable rules of the Boiler and Pressure Vessel Code of the American Society of Mechanical Engineers (ASME). This certificate does not include authorization to use a code symbol stamp. The accreditation granted by this certificate is subject to the provisions of the agreement set forth in the application.

COMPANY:

FRAMATOME ANP GMBH
FREYESLEBEN STRASSE 1
91058 ERLANGEN
GERMANY

SCOPE:

CLASS 1, 2, 3, CS & MC FABRICATION OF SUPPORTS AT SELIGENSTAEDTER STRASSE 100, 63791 KARLSTEIN, GERMANY WITH DESIGN RESPONSIBILITY AT THE ABOVE LOCATION AND ADDITIONAL PROCUREMENT AND DESIGN ACTIVITIES AT BERLINER STRASSE 295, 63067 OFFENBACH, GERMANY

AUTHORIZED: DECEMBER 8, 2000 REVISED: APRIL 3, 2001
EXPIRES: DECEMBER 2, 2003
CERTIFICATE NUMBER: N-3022

Dominic A. Canavese

CHAIRMAN OF THE BOILER
AND PRESSURE VESSEL COMMITTEE

Alan B. Am

DIRECTOR, ACCREDITATION AND CERTIFICATION



CERTIFICATE OF ACCREDITATION

This certificate accredits the named company as having had the adequacy of their quality assurance program verified for the scope of the activity shown below in accordance with the applicable rules of the Boiler and Pressure Vessel Code of the American Society of Mechanical Engineers (ASME). This certificate does not include authorization to use a code symbol stamp. The accreditation granted by this certificate is subject to the provisions of the agreement set forth in the application.

COMPANY:

FRAMATOME ANP GMBH
FREYESLEBEN STRASSE 1
91058 ERLANGEN
GERMANY

SCOPE:

CLASS 1, 2, 3, CS & MC FIELD INSTALLATION AT VARIOUS LOCATIONS
ACCREDITED BY ASME

AUTHORIZED: DECEMBER 8, 2000 REVISED: APRIL 3, 2001
EXPIRES: DECEMBER 2, 2003
CERTIFICATE NUMBER: N-3021

Dominic A. Canavese

CHAIRMAN OF THE BOILER
AND PRESSURE VESSEL COMMITTEE

Alan B. Am

DIRECTOR, ACCREDITATION AND CERTIFICATION





CERTIFICATE OF ACCREDITATION

This certificate accredits the named company as having had the adequacy of their quality assurance program verified for the scope of the activity shown below in accordance with the applicable rules of the Boiler and Pressure Vessel Code of the American Society of Mechanical Engineers (ASME). This certificate does not include authorization to use a code symbol stamp. The accreditation granted by this certificate is subject to the provisions of the agreement set forth in the application.

COMPANY:

FRAMATOME ANP GMBH
FREYESLEBEN STRASSE 1
91058 ERLANGEN
GERMANY

SCOPE:

CLASS 1, 2, 3, CS & MC FABRICATION WITH DESIGN RESPONSIBILITY FOR SUPPORTS, LIMITED TO THE 1998 EDITION, 1998 ADDENDA AND EARLIER EDITIONS AND ADDENDA OF THE CODE, AND APPURTENANCES AND AS A MATERIAL ORGANIZATION SUPPLYING FERROUS & NONFERROUS MATERIAL AT VARIOUS LOCATIONS ACCREDITED BY ASME AND ADDITIONAL PROCUREMENT AND DESIGN AT BERLINER STRASSE 295, OFFENBACH, GERMANY

AUTHORIZED: DECEMBER 8, 2000 REVISED: APRIL 3, 2001
EXPIRES: DECEMBER 2, 2003
CERTIFICATE NUMBER: N-2785

Domenic A. Cannicco

CHAIRMAN OF THE BOILER
AND PRESSURE VESSEL COMMITTEE

Alan Barn

DIRECTOR, ACCREDITATION AND CERTIFICATION



CERTIFICATE OF AUTHORIZATION

This certificate accredits the named company as authorized to use the indicated symbol of the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the Code symbol and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with this symbol shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

FRAMATOME ANP GMBH
FREYESLEBEN STRASSE 1
91058 ERLANGEN
GERMANY

SCOPE:

CONSTRUCTION OF SECTION III, DIVISION 1 COMPONENTS, FOR WHICH OVERALL RESPONSIBILITY IS RETAINED AND FOR WHICH FABRICATION AND INSTALLATION ARE SUBCONTRACTED TO APPROPRIATE CERTIFICATE OF AUTHORIZATION HOLDERS, AND AS A MATERIAL ORGANIZATION SUPPLYING FERROUS & NONFERROUS MATERIAL AT THE ABOVE LOCATION WITH ADDITIONAL PROCUREMENT AND DESIGN ACTIVITIES AT BERLINER STRASSE 295, 63067 OFFENBACH, GERMANY

AUTHORIZED: DECEMBER 8, 2000 REVISED: APRIL 3, 2001
EXPIRES: DECEMBER 2, 2003
CERTIFICATE NUMBER: N-2784

Domenic A. Cannicco

CHAIRMAN OF THE BOILER
AND PRESSURE VESSEL COMMITTEE

Alan Barn

DIRECTOR, ACCREDITATION AND CERTIFICATION

