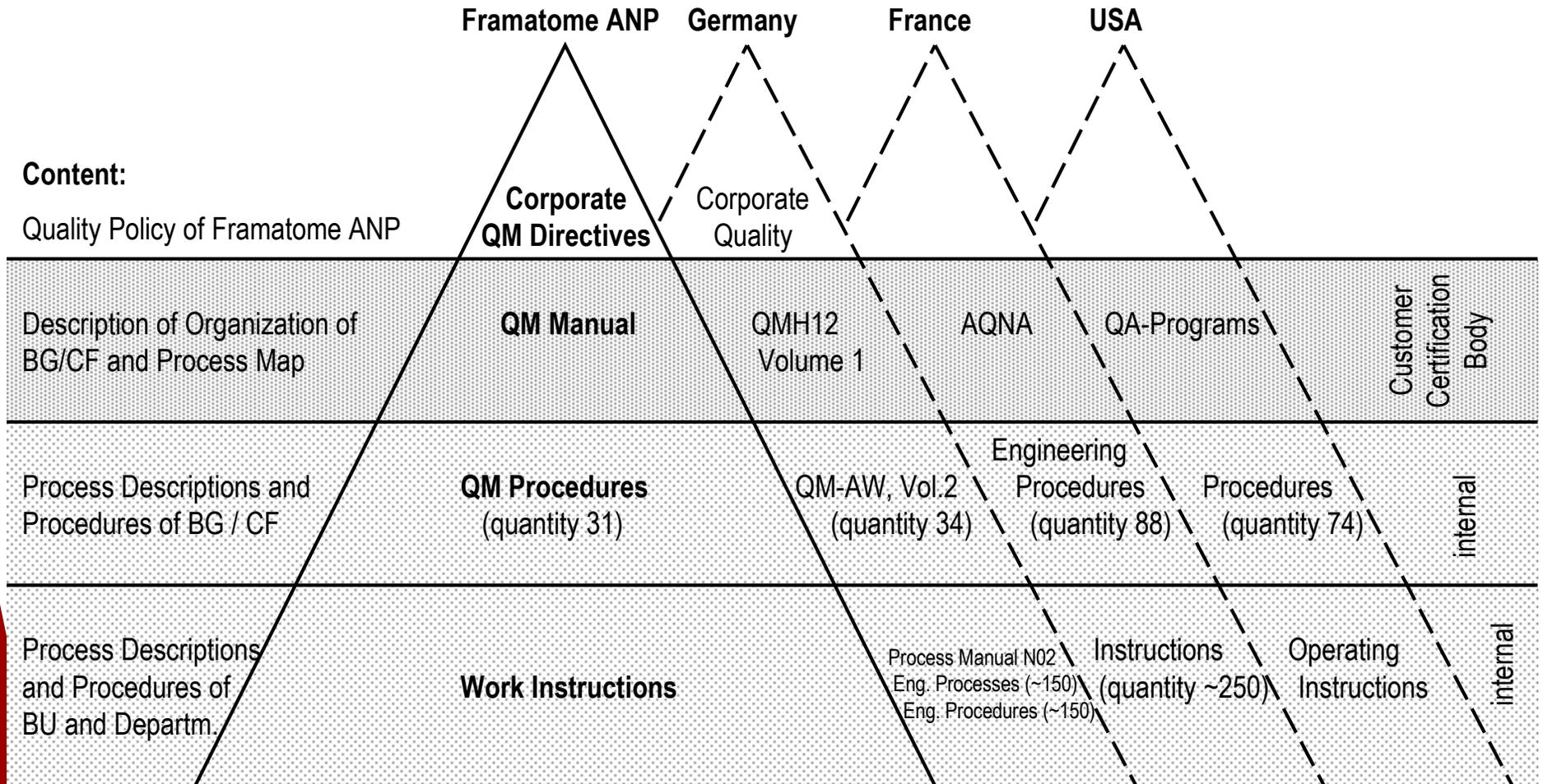


FRAMATOME ANP

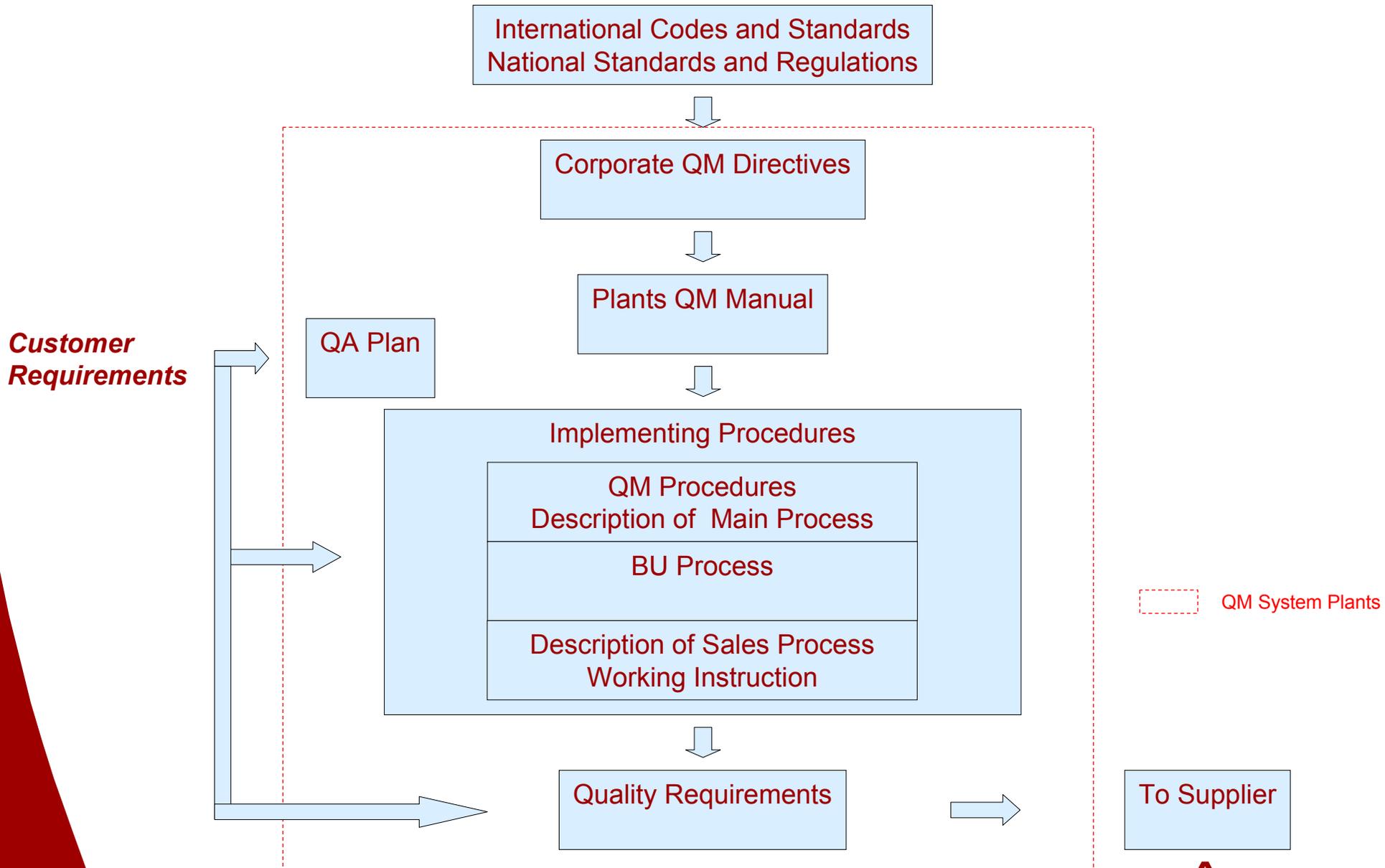
SWR - 1000 : NRC Visit

FRAMATOME ANP QA Program

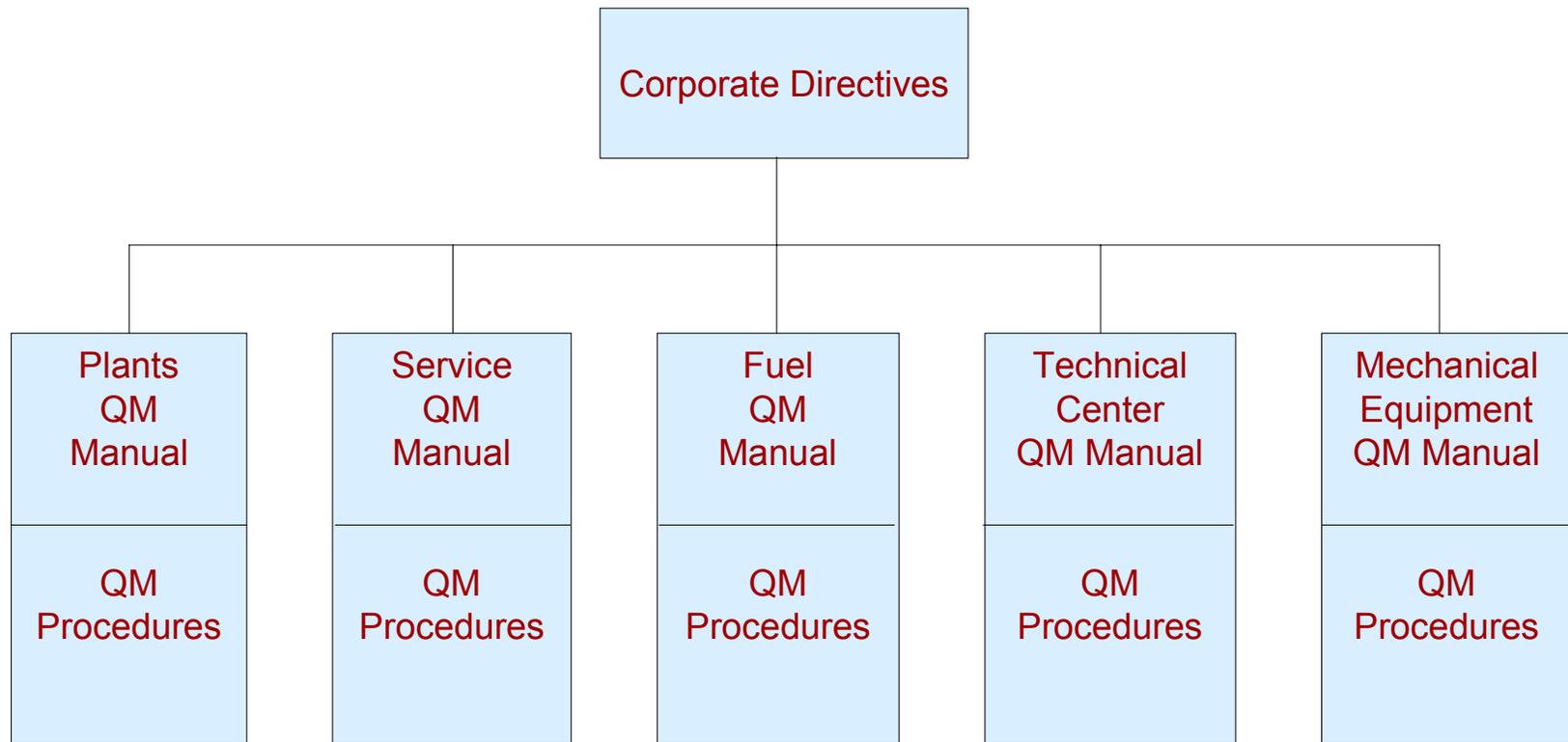
QM System Documentation



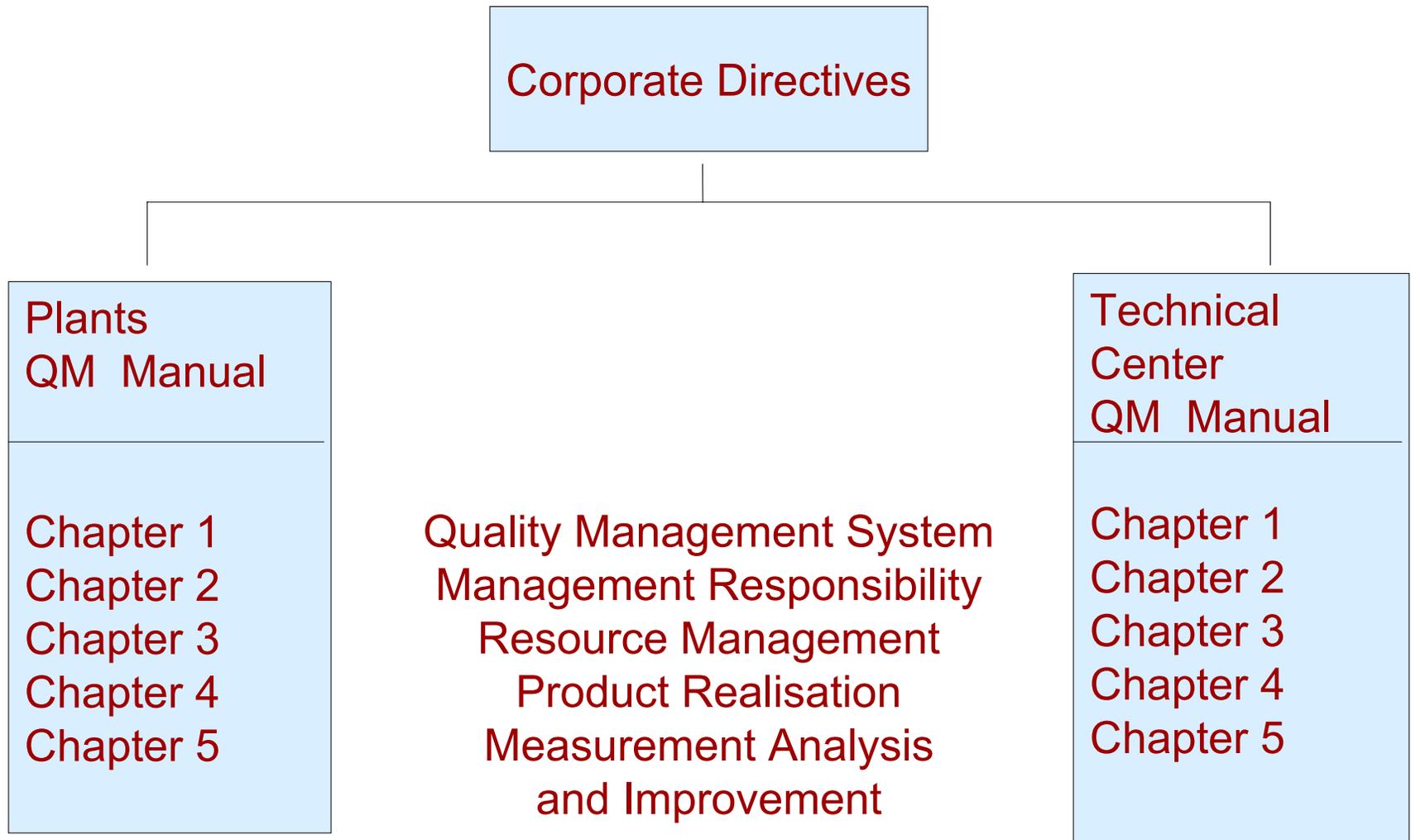
Structure of QA Documents in FANP



QA Program Documentation

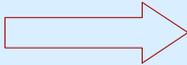
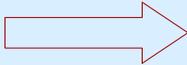
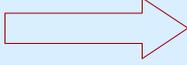


Programmatic Elements of QA Program



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

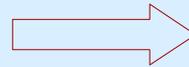
Management Responsibility:

- | | | |
|--|---|------------------------------------|
| • 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 |

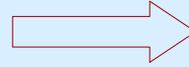
Elements of Chapter 3 in compliance with 10CFR50, App. B

Resource Management:

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



Criterion II
QA Program



Criterion I
QA Program

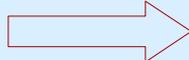
Elements of Chapter 4 in compliance with 10CFR50, App. B

Product Realization:

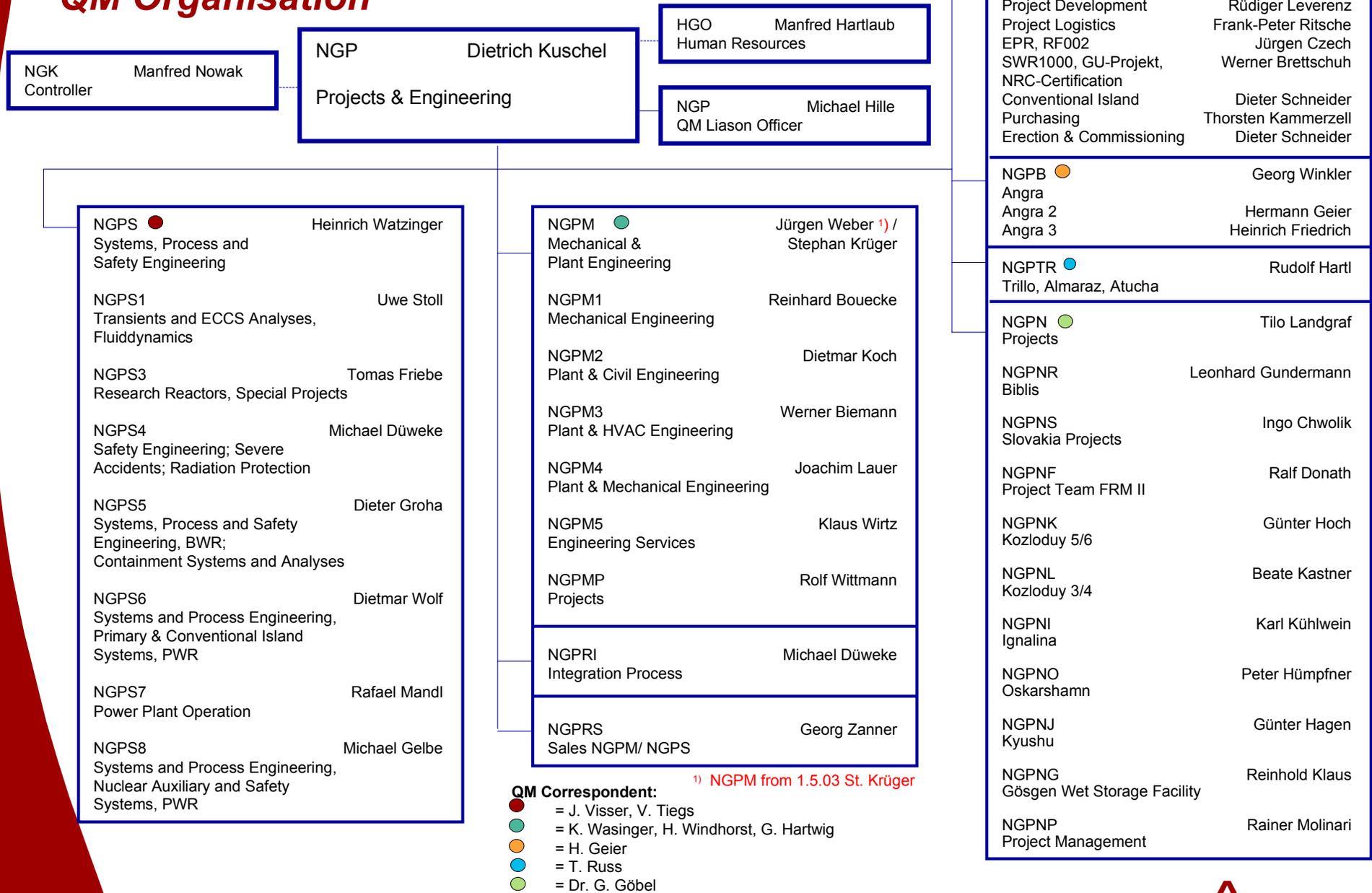
- | | | |
|--|---|--|
| • Planning of Product Realization | ⇒ | Criterion III
Design Control |
| • Customer Related Processes | | |
| • Design and Development | ⇒ | Criterion III
Design Control |
| • Purchasing | ⇒ | Criterion IV
Procurement Document Control
Criterion VII
Control of Purchased Material
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 X**
Inspection
Criterion XI
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.

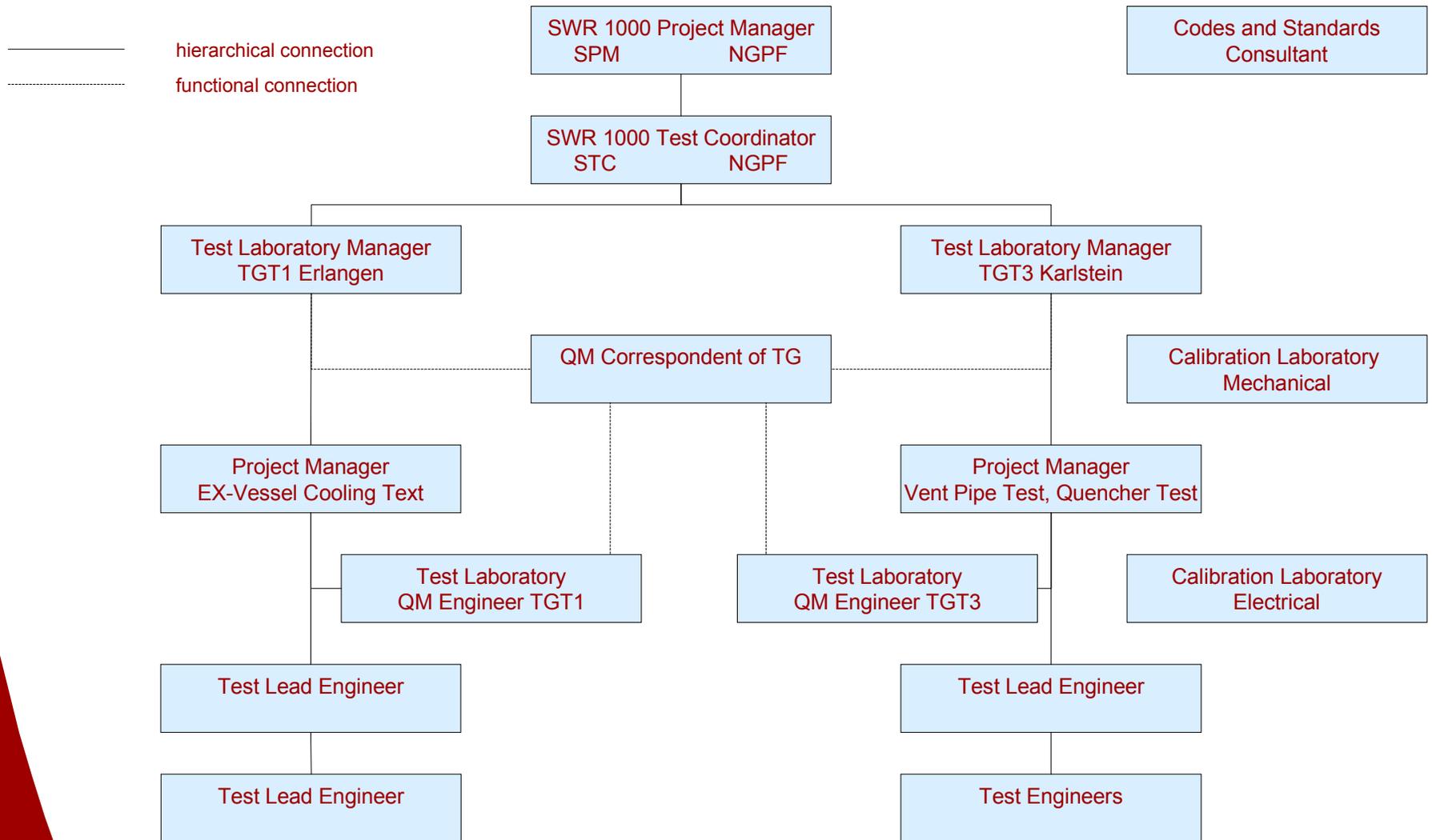
Elements of chapter 3 in compliance

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



CERTIFICATION



N° QUAL/2002/18692

**FRAMATOME ANP
PROJECTS AND ENGINEERING**

VENTE, ETUDES ET FOURNITURE DE CENTRALES NUCLEAIRES, INSTALLATIONS DE RECHERCHE, CONTROLE-COMMANDE ET SYSTEMES ELECTRIQUES, INGENIERIE, SERVICES DE RENOVATION ET DE DECLASSEMENT.

SALES, DESIGN AND SUPPLY OF NUCLEAR POWER PLANTS, RESEARCH FACILITIES, INSTRUMENTATION AND CONTROL AND ELECTRICAL SYSTEMS, ENGINEERING, BACKFITTING AND DECOMMISSIONING SERVICES.

VERTRIEB, AUSLEGUNG UND LIEFERUNG VON KERNKRAFTWERKEN, FORSCHUNGSREAKTOREN, ELEKTRO UND LEITTECHNIK, ENGINEERING, NACHRÜSTUNGS UND RÜCKBAUDIENSTLEISTUNGEN.

核电站-核研究设施、仪控及电气系统的设计、供应和销售，核设施的工程设计、技术改造和退役服务

Siège : Tour FRAMATOME F-92084 PARIS-LA-DEFENSE CÉDEX

**(Liste des sites en annexe n° 1)
(List of locations on appendix n° 1)**

**AFAQ et NIS-ZERT certifient que pour les activités et les sites référencés ci-dessus toutes les dispositions mises en oeuvre pour répondre aux exigences requises par la norme internationale
AFAQ and NIS-ZERT certify that all the arrangements covering the above mentioned activities and locations are established to meet the requirements of the international standard :**

ISO 9001 : 2000

**ont été examinées et jugées conformes.
have been examined and found conform.**

2002-07-05
(année/mois/jour) Il est valable jusqu'au / It is valid until

2005-07-04
(year/month/day)

Le Président du Comité de Certification d'AFAQ
The President of the Certification Committee of AFAQ

C. GUERIN

Le Directeur Général d'AFAQ
The Managing Director of AFAQ

O. PEYRAT

Les Directeurs Généraux de NIS ZERT
The Managing Directors of NIS ZERT

M. STOWASSER M. KRUSCHEL

Le Représentant de l'Entreprise
On Behalf of the Firm

G. SLAMA



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 P. Canino

CHAIRMAN OF THE BOILER
AND PRESSURE VESSEL COMMITTEE

Alan B. ...

DIRECTOR, ACCREDITATION AND CERTIFICATION



The American Society of Mechanical Engineers



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 P. Canino

CHAIRMAN OF THE BOILER
AND PRESSURE VESSEL COMMITTEE

Alan B. ...

DIRECTOR, ACCREDITATION AND CERTIFICATION



The American Society of Mechanical Engineers



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 Bam

DIRECTOR, ACCREDITATION AND CERTIFICATION

The American Society of Mechanical Engineers



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 Bam

DIRECTOR, ACCREDITATION AND CERTIFICATION

The American Society of Mechanical Engineers

