ITU Regional Workshop on Bridging the Standardization Gap and Interactive Training Session

(Algiers, Algeria, 26 – 27 September 2011)

Conformity Control Activities Tunisia Case Study

Sami Trimech

Cooperation Director - CERT

International Telecommunication Union

CERT Positioning

- Telecommunication Research and Studies Center
- Created since 1988
- Public Consultancy Company
- Technical assistance to IT sector institutions (operators, regulator..)
- In Charge of Terminals Homologation (Type approval)
- Own laboratory (tests beds)

Homologation Objectives

1. To guarantee the quality of the data-processing park in Tunisia
2. To take care of the respect of the international standards of the data processing equipments
3. To assist the services concerned (customs, trade, etc.) with the identification and the classification of the data processing equipments
4. To work out annual statistics regarding the evolution of the data-processing park

Homologation Process -1

- Mandatory for terminals to be commercialized
- Special authorization for temporary admission
- Special authorization for equipment to be used internally (Conformity Certificate)

Homologation Process -2

- **Phase I : Homologation**
  - Importer/vendor send samples and technical documentation
  - Samples tested using test beds (protocols tests)
  - Certificate delivered/not delivered – 3 years validity
- **Phase 2 : Consumption Authorization**
  - Shipping (Importer/vendor)
  - Sampling (CERT border offices)
  - Conformity check (vs Homologated Terminals)
  - Authorization delivery

Homologation Process -3

- For Telecom Operator
  - No Homologation requested *(Own uses)*
  - A Conformity Certificate is needed
    - *On Border Control*
    - *Technical Procedure is currently discussed*
- No Mutual Agreement is considered

NEXT

- Homologation (A posteriori)
- Mutual Recognition Agreement will be considered
- Context: Association Agreement with UE
- Objectives:
  - Improve the competitiveness of Tunisian industry
  - Protect the Tunisian consumer
  - Environment protection from electromagnetic radiation
  - Implement a national quality systems (industrial exportation)
  - Increase awareness

NEXT

- Control System Evolution Phases
  - Phase 1
    - Free entrance of CE marked terminals from Europe to Tunisia and other side (80% of Tunisian Electrical Exportation to Europe)
    - Suspected terminals will be controlled
    - Other origins will be controlled
    - CERT lab, provide conformity testing services to tunisian suppliers
  - Phase 2
    - Only CE marked terminals will be allowed for entrance
    - Suspected terminals will be controlled

NEXT

- EMC Laboratory (ongoing)
  - SAC- Semi Anechoic Chamber -10 m
  - FAC- Fully-Anechoic test Chamber -5m (phase2)
  - SAR- Specific Absorption Rate Lab (phase2)
  - Metrology Lab
  - Low Voltage Directive Lab
  - Open area test site

NEXT

- Accreditation in Compliance with
  - ISO EN 17025 (Testing and Calibration Lab Competence)

NEXT

- Coverage
  - Telecommunication equipments
  - Information technology equipment
  - Measurement devices
  - Car’s electrical devices
  - Household electrical products
  - Hospital equipments

NEXT

- Services
  - Confomity testing (CE marks,…)
  - Supporting suppliers in the development of terminals
  - Drafting testing methodologies
  - Increasing awareness
  - Trainings

NEXT

- Actual Situation
  - New specific building (40%)
  - Laboratory Facilities (bidding phase)
  - Training (50%)
  - Tests protocol (90%)
  - Accreditation (0%)

Provisional Starting Date: End of 2012

NEXT

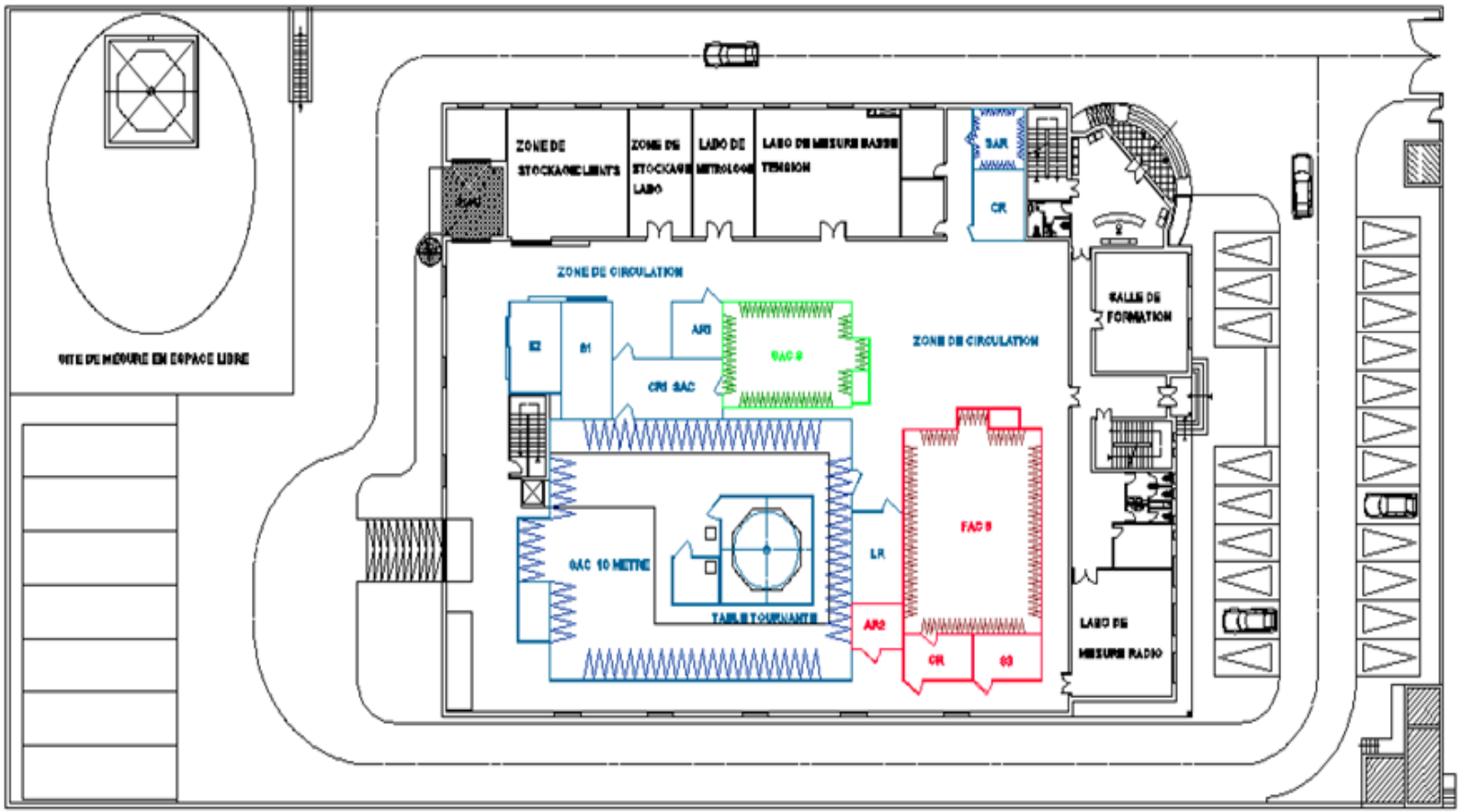
- Actual Situation
  - New specific building (40%)
  - Facilities (bidding phase)
  - Training (25%)
  - Tests protocol (100%)
  - Accreditation (0%)

Provisional Starting Date: June 2012

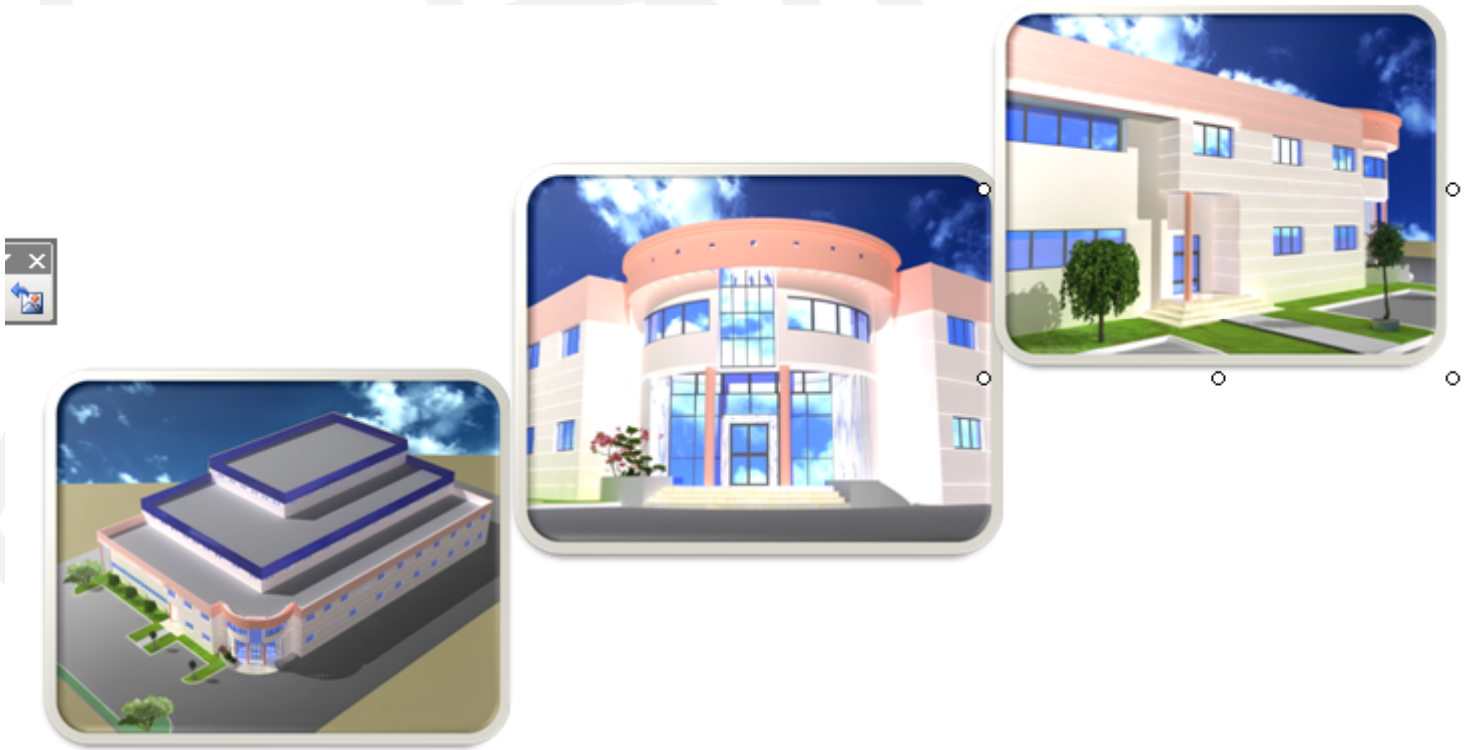
NEXT

- Project Funding
  - CERT (60%)
  - European Community (20%)
  - Tunisian Governrment (20%)

GROUND FLOOR PLAN DRAWING



FRONTAL FACE



Thank you

Sami.trimech@cert.mincom.tn

D:+21670834701
M:+21698381738
F:+21670834700