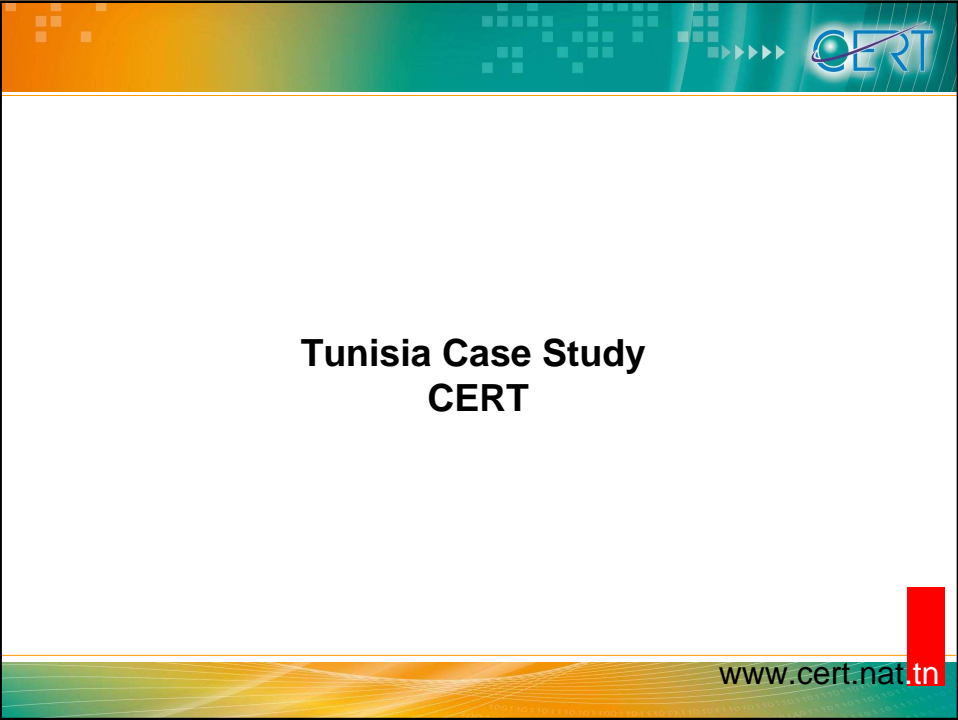




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Tunisia Case Study CERT

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1. Creation Mission

Advice and Technical Assistance to the Ministry and other Stakeholders

2. Activities

- Research Projects
- Homologation
- Technical Services
 - *Consultancy*
 - *Technical Acceptance*
 - *Studies and Engineering*

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 concerning the evolution of the data-processing park

Since 1993

**Terminal Homologation
Regime In Tunisia**



- 1. Mandatory for devices to be commercialized**
- 2. Terminal Homologation Procedure (a priori)**
 - 1. Phase 1 : Homologation**
 - *Importer/vendor send samples and technical documentation*
 - *Samples tested using test beds (protocols tests)*
 - *Certificate delivered/not delivered – 3 years validity*
 - 2. Phase 2 : Consumption Authorization**
 - *Terminals Shipped*
 - *Sampling*
 - *Conformity check with Already Homologated Terminals*
 - *Certificate*

**Terminal Homologation
Regime In Tunisia**



- 3. For Operator Equipment**
 - 1. Non Homologation requested (Own uses)**
 - 2. A Conformity Certificate is needed**
 - *On Border Control*
 - *Technical Procedure is currently discussed*
- 4. No Mutual Agreement is considered**

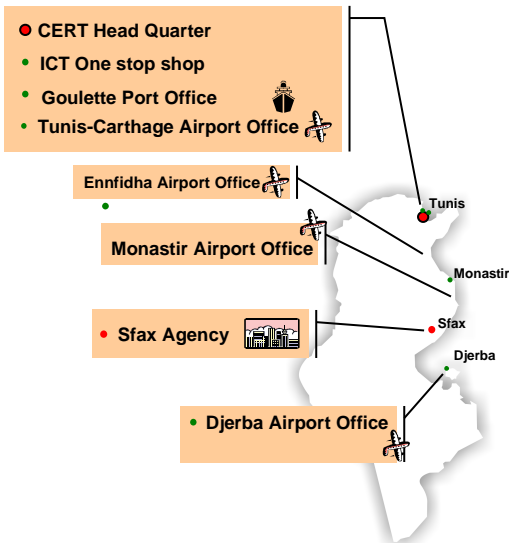
Homologation – Type of Terminals




1. Telephony terminals
2. Private telephone automatic exchanges
3. Data transmission Terminals
4. Radio-mobiles Terminals
5. Radioelectric equipments
6. Satellite receiving Equipments



Homologation - Organisation





Homologation - Next

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Laboratories- EMC
Laboratory

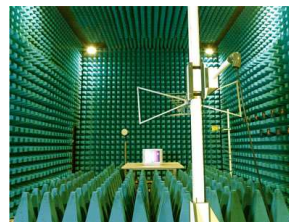
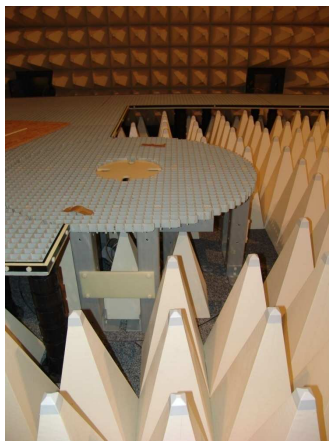


- Homologation (A posteriori)
- Mutual Recognition Agreement will be considered
- Context: Association Agreement with UE
- This project aims to transpose and implement the European EMC Directive 2004/108/EC
 - improve the competitiveness of Tunisian industry
 - protect the Tunisian consumer
 - environment protection from electromagnetic radiation
 - implement a national quality systems and particular when exporting

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- EMC Laboratory (ongoing)
 - SAC- Semi Anechoic Chamber
 - FAC- Fully-Anechoic test Chamber
 - SAR- Specific Absorption Rate Lab
 - Metrology Lab
 - Open area test site



FAC

CERT



SAC 10

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CERT

Inter-Operability

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Tunisia IT Networks Facts

- Technology Consumer
- Multi- Vendors
- Not Mandatory
- Increasing awareness on the Benefit of such tests

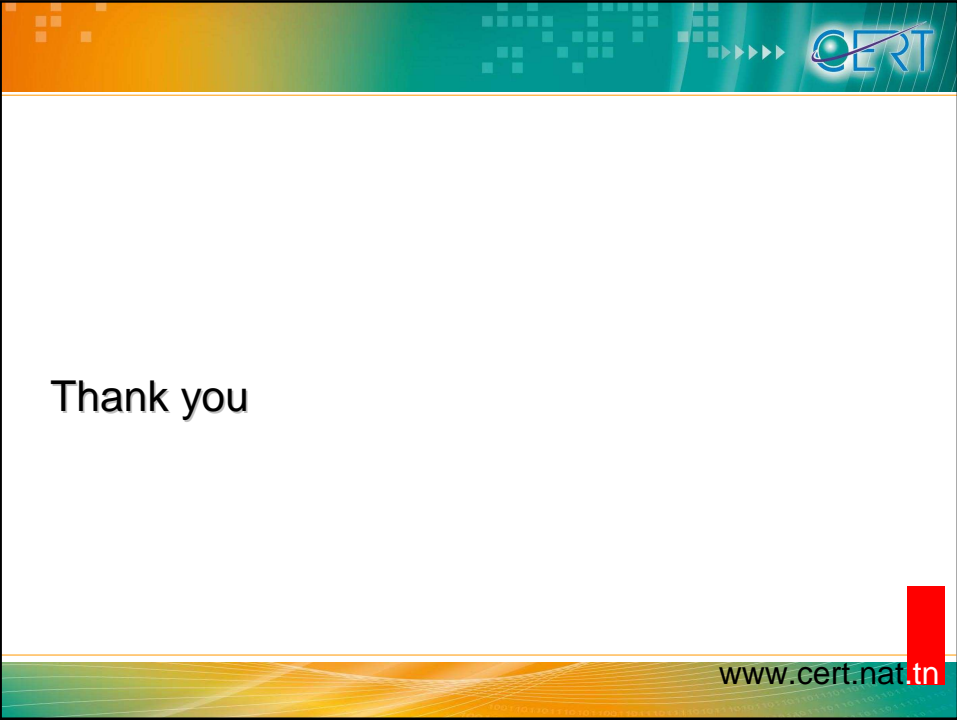
- *Tunisie Telecom, Historic Operator, is conducting systematically Technical acceptance, since the creation of CERT*

- *Tunisiana (Orascom Company), is conducting technical acceptance to their OF and Microwaves systems – since this year*

Check list

- Interoperability tests
- Integration tests
- Respect of Relevant standards
- Respect of Security rules
- Performance Control
- Fault report and data records

Since 1991



Thank you