

## **4th Meeting of the EFNDT Railway Forum**

**Presentation :**

**Examination centres of CFCM**

**(Comité Ferroviaire de Certification pour  
la Maintenance / The french committee in  
railways maintenance sector)**

## Maintenance Railways Sector

### **Maintenance** **Railways**

**600 certifications – 480 people**

**(130 for tracks and  
350 for rolling stock applications)**

across the country. For example, in the rolling stock sites,

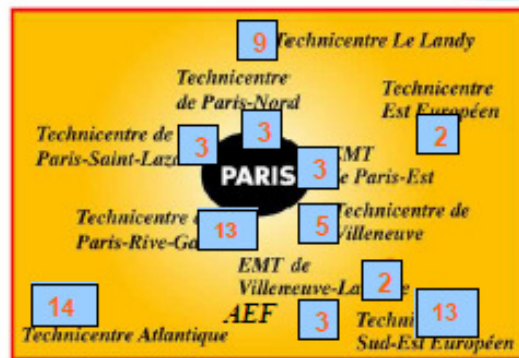
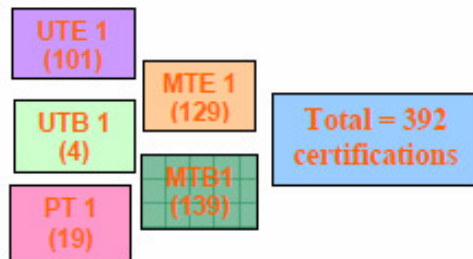
## NDT people in Rolling Stock applications in SNCF

- NDT in railway maintenance on pieces link to security : wheels, axles and boggies
- Methods : MT, PT, UT
- 300 people level 1 in 40 Technicentres
- 25 people level 2
- 3 people level 3

# NDT people in Rolling Stock applications in SNCF

## Certifications de niveau 1 au 01.06.2009

M&J : 08/01/08



JM Agnès - M&J



## NDT people in Rolling Stock applications in SNCF

### Certifications de niveau 2 au 01.06.2009



## NDT people in Rolling Stock applications in SNCF

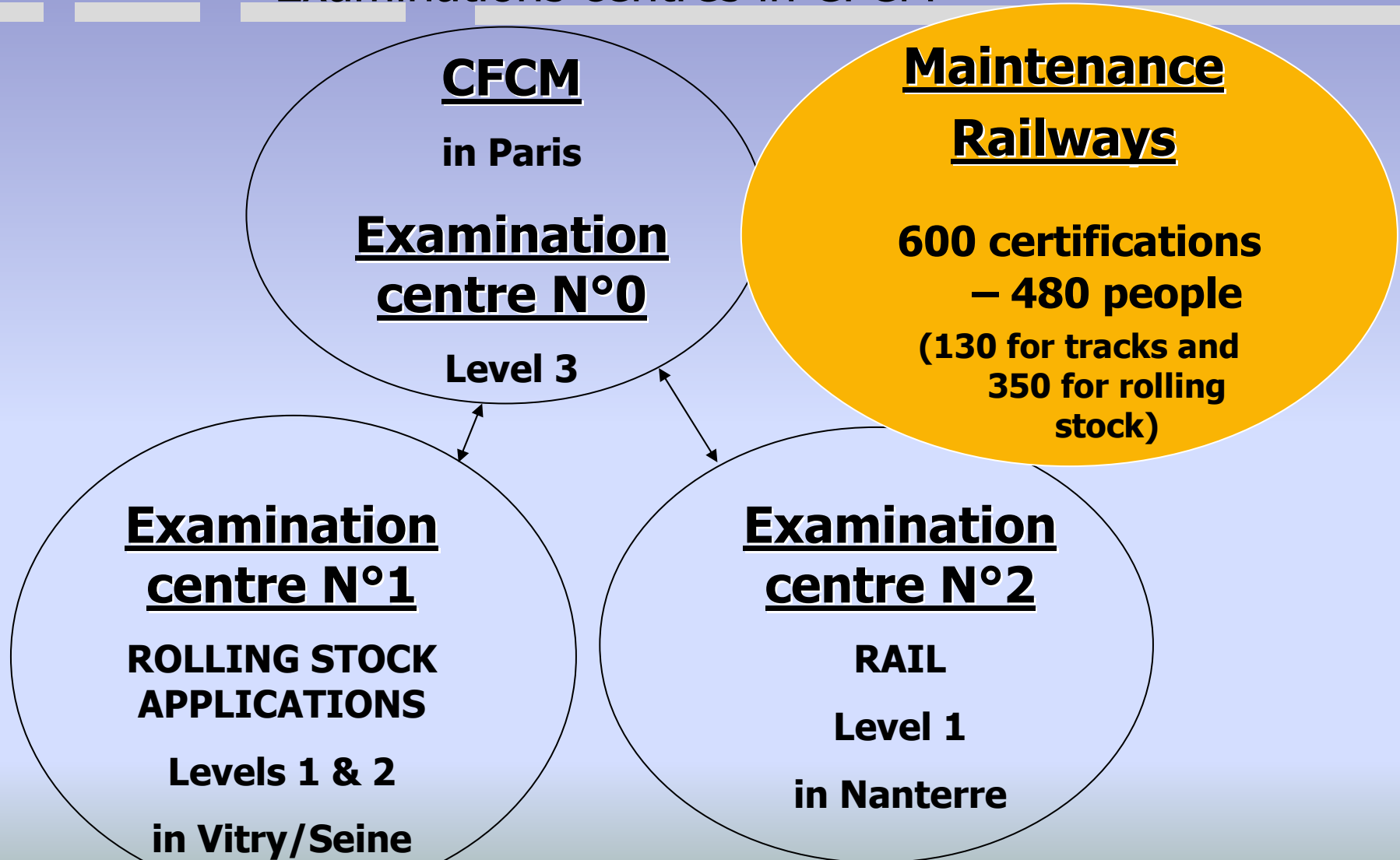
**To be qualified and certified according to EN 473 , NDT people follow these steps :**

- **Training Period in a NDT centre in Rouen**
  - **Industrial experience in workshop**
- **Qualification in a examination centre n°1**
  - **Certification in CFCM**

**And they have a permit to operate\* by the workshop director according to an aptitude decree on July 2003,**

**\*professional aptitude  
physical aptitude  
regular training**

## Examinations centres in CFCM





## Sub-sectors and NDT methods in CFCM

	<b>MAINTENANCE sector</b>	<b>AXLES sub-sector</b>	<b>BOGGIES Sub- sector</b>	<b>RAILS sub- sector</b>
<b>Ultrasound testing (UT)</b>	Level 3	Levels 1 & 2	Levels 1 & 2	Level 1
<b>Magnetic particles testing (MT)</b>	Levels 2 & 3	Level 1	Level 1	
<b>Penetrant testing (PT)</b>	Levels 1 & 2 & 3			



## Qualification centre n° 1

20 to 25 examination sessions per year

1 examination session is 4 days with 12 people for level 1

2 days with 2 people for level 2

110 to 130 candidates per year

65% on average in success in an examination

## Qualification centre n° 2

10 examination sessions per year

1 examination session is 1 day with 3 people for level 1

130 to 140 candidates on 5 years

80% on average in success in an examination

## Qualification centre n° 1

### Organization :

1 Manager of the examination centre

3 examiners

2 assistants

1 secretary

Each person spends about 30% of the time to the examination center.

And now let's go to the practical room of the examination centre N°1.