

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,

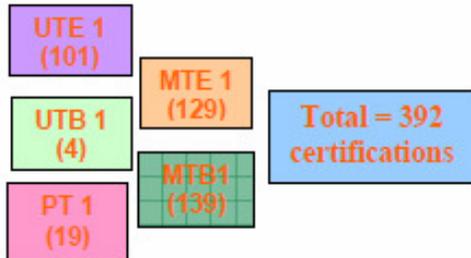
NDT people in Rolling Stock applications in SNCF

- 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 Aguiló - M&J



NDT people in Rolling Stock applications in SNCF





NDT people in Rolling Stock applications in SNCF

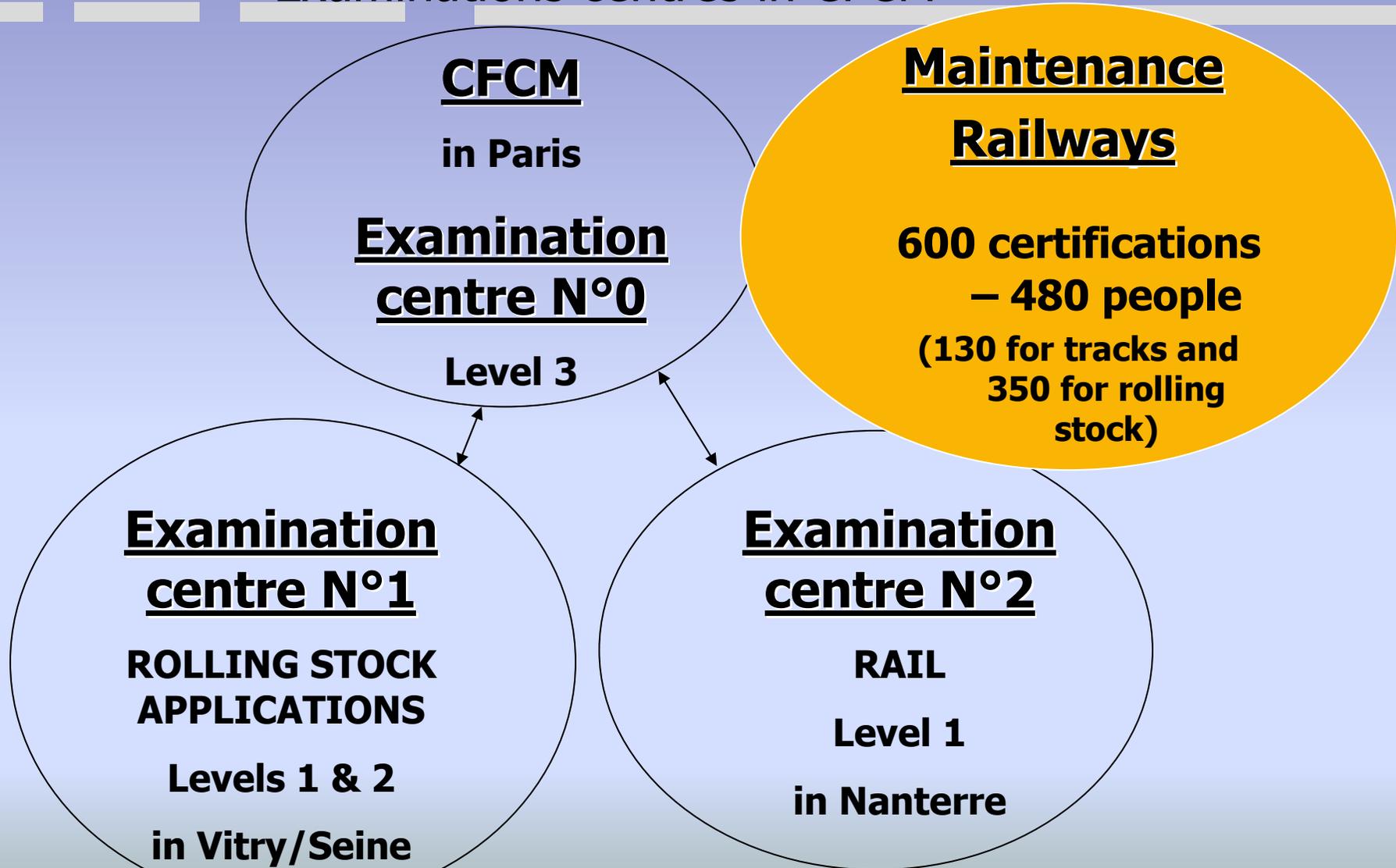
To be qualified and certified according to EN 473 , NDT people follow these steps :

- **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

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