

Renewed recognition of the competence of EURAILTEST's partner laboratory

Renewal of the capability certificate for DGII DTR IP3M AME (Measurement and Test Agency, SNCF Réseau), EURAILTEST's partner laboratory.

This summer, Eurailtest's partner laboratory, the DGII DTR IP3M AME (SNCF Réseau), saw the renewal of its CERTIFER capability certificate (Railway Certification) in compliance with SAM S 004 requirements.

"This official recognition confirms our competence, expertise and impartiality in the type approval tests conducted check the drop shunt capacity of rolling stock."

Julien MASSY - (Head of the Signalling Systems Section at DGII DTR IP3M AME)



TGV M

Drop shunting under the microscope!

"A track circuit is the key component of automatic signalling, detecting the presence or movement of railway traffic on a section of track." (Julien MASSY)

In the absence of traffic, electrical current passes through the rails and activates a receiver. However, when traffic is present on the track, the train's wheel-rail contact causes the axles to short-circuit the current emitted by the track circuit, and the receiver is deactivated.

This short circuit is called a drop shunt. It works by establishing optimal electrical contact between the wheel and rail.

In application of EPSF standards (the French national rail safety authority), all manufacturers whose rolling stock is intended to run on the French national railway network (RFN) must therefore demonstrate their compliance and undergo a series of tests, with drop shunt capacity included among these requirements.

Since 2004, all railway vehicles must be sent to the Plouaret-Tregor (22) test site in Brittany to have their track circuit drop shunt capacity tested.

This is the only site of its kind on France's national railway network and is recognized by the EPSF as a centre for conducting type approval tests on rolling stock to assess their drop shunt capacity.

Undeniable expertise: drop shunt tests are performed on all vehicle types

Each year, the Systems and Signalling Section (SYS) of DGII DTR IP3M AME performs drop shunt tests on all types of vehicles (locomotives, diesel railcars, electric railcars, trailing stock, rail/road vehicles, etc.) for investigative, R&D and type approval purposes.

Renewed recognition

This official capability certificate delivered by the world-renowned railway certification body, CERTIFER, has been maintained, demonstrating a long-standing expertise built on more than twenty years of experience at the Plouaret site.

A guarantee of trust !

The Measurement and Test Agency remains Europe's only entity to achieve this level of recognition for such tests.

Why is this recognition so important?

The capability certificate, valid for another three years, confirms our partner laboratory's competence, its expertise in this type of complex testing and the validity of results based on the measurements obtained.



An important partner for Eurailtest

"Our joint success has helped to consolidate our efforts to develop our skills, enhance our recognition and improve our partner laboratory's position on an issue that raises strategic and safety concerns for clients, manufacturers, industrialists, public authorities and the Designated Body (DeBo)." (Franck POISSON - EURAILTEST EIG Administrator)



Vectron -
Autorail X72633