



Market consultation PREI

ProRail ERTMS Integration Lab

Versie V1.0 def.
Kenmerk Marktconsultatie PREI 1-6-2022
Classificatie Intern

Colofon

Kenmerk	Marktconsultatie PREI 1-6-2022
Titel	Market consultation PREI Lab

Table of contents

1 Market consultation PREI	4
1.1 ProRail ERTMS Integration Lab (PREI)	4
1.2 Goal Market consultation	4
1.3 Target Group	6
1.4 Procedure and planning	6
2 Market consultation	7
2.1 Questions	7
2.2 Rules applicable to this market consultation	7

1 Market consultation PREI

1.1 ProRail ERTMS Integration Lab (PREI)

Railway undertakings (including also manufacturers of ERTMS rolling stock and ERTMS equipment) may submit a request to ProRail to use the facilities of the ProRail ERTMS Integration Lab for integration tests between ERTMS equipment and ERTMS trackside equipment, as present on the Dutch main railway infrastructure. The ProRail ERTMS Integration Lab is an ETCS Compatibility Test Facility. It contains a duplicate of the existing ERTMS systems on the Dutch ERTMS infrastructure, process control systems, GSM-R and related test applications and various interfaces (in conformity with subset 110-111-112). The ProRail ERTMS Integration Lab is situated in the Railcenter in Amersfoort, with several test cubes including a demonstration room equipped with a work area for a traffic controller and engineer in order to test ERTMS operational processes.



The ProRail ERTMS Integration Lab is, for example, available for the following:

- Trackside – Train (pre) integration tests, including ESC tests according to the Technical Specification for Interoperability for “Control-Command and Signalling”, TD/011REC1028 and RLN00445
- GSM-R connection performance tests
- Configuration tests
- Training and demonstrations

The ProRail Integration Lab ERTMS is considered a category 4 service for which costs will be charged.

Please refer to https://www.prorail.nl/siteassets/homepage/samenwerken/vervoerders/documenten/folder-ertms-integratie-lab_web.pdf for more information.

1.2 Goal Market consultation

The ProRail ERTMS Integration Lab facilitates both integration tests for existing ERTMS infrastructure (e.g. regarding authorization of rolling stock) and validation and integration tests pertaining to the development of new ERTMS infrastructure.

The current developments on ERTMS, the further deployment of ERTMS in the Netherlands, and the ambition to relieve operations by conducting several test activities in a laboratory environment, are expected to lead to an increased demand for the ProRail ERTMS Integration Lab from both rolling stock (manufacturers of ERTMS rolling stock and ERTMS on-board equipment) and infrastructure (ERTMS Program and ProRail projects). In order to ensure alignment between the ProRail ERTMS Integration Lab and this demand as much as possible, a market consultation is being held.

In this market consultation, parties are requested to indicate if, when, and to what extent they intent to use the facilities of the ProRail ERTMS Integration Lab.



1.3 Target Group

All suppliers/manufacturers of ERTMS rolling stock and ERTMS on-board equipment. Furthermore, owners of ERTMS rolling stock which needs to be adapted for future use on the Dutch ERTMS railway infrastructure are requested to participate, including lease companies.

1.4 Procedure and planning

This document is published on TenderNed and on the website of the ERTMS Program. Parties that fulfil the criteria of the target group are requested to respond to this invitation.

ProRail shall not provide remuneration for participation in the market consultation (including answering questions). Questions are listed in section 2.1 of this document. You are kindly requested to complete the questionnaire in writing.

The deadline for answering the questions is 01-08-2022. Should you have any queries regarding the questions posed by ProRail, please contact **David.Vermeij@prorail.nl**.

ProRail requests that the participating parties answer the questions as comprehensively and concisely as possible, so as to give the recipient a clear view of the situation, solution and/or context. Interested parties may also use standard brochures or presentations in order to efficiently supplement this picture. You are not obliged to answer all questions. You may skip any questions which, in your view, do not apply to your organization or which you are unable to answer.

The questions may be answered in English or Dutch. Please send your answers in MS Word format to **David.Vermeij@prorail.nl**.

2 Market consultation

2.1 Questions

Parties are kindly requested to respond (in writing) to the following questions.

- 1) What opportunities and risks may be identified regarding the train – trackside integration tests for:
 - a) *existing ERTMS System Version 1.y infrastructure?*
 - b) *new ERTMS System Version 2.y infrastructure?*
- 2) What do you expect from the ProRail ERTMS Integration Lab in this regard?
- 3) Are you familiar with the possibilities offered by the ProRail ERTMS Integration Lab and the current developments?
 - a) *If yes, which restrictions or possibilities do you recognize regarding the use of the lab and do you have suggestions for improvement of the facilities and/or services?*
 - b) *If no, would you be interested in an informative session / workshop with a tour?*
- 4) Which advantages / disadvantages would use of the ProRail ERTMS Integration Lab provide in comparison to trackside testing?
- 5) Is it your intention to make use of the facilities of the ProRail ERTMS Integration Lab in the next few years for integration of your rolling stock / on-board equipment on the existing and future Dutch ERTMS rail railway infrastructure?
 - a) *If yes, can you indicate which tests you would like to conduct including an indication of the number of test days needed and in which period of time these tests should be conducted?*
 - b) *If no, what are your considerations?*
- 6) Do you foresee a role for the ProRail ERTMS Integration Lab during the development phase of your ERTMS rolling stock / on-board equipment?
- 7) ProRail wishes to test authorized ERTMS rolling stock for validation and integration tests for the new ERTMS infrastructure.
 - a) *Are you willing to make on-board equipment (e.g. OBU-testbench) available to ProRail for integration tests with ERTMS infrastructure systems in light of the ERTMS Program (deployment of ERTMS in the Netherlands)?*
 - b) *If yes, which types can be made available and which conditions apply?*

2.2 Rules applicable to this market consultation

- 1) The ERTMS Program has set out the following conditions pertaining to this market consultation:
- 2) This market consultation is explicitly not part of a or any procurement procedure that may follow.
- 3) Expressly no rights may be derived from the information that is provided for the purposes of the market consultation.
- 4) As a result of participating in this market consultation, participants will not be given any preferential status with respect to a or any procurement procedure, nor will participation lead to exclusion from such a procedure.
- 5) The market consultation is voluntary and no rights can be derived from the (insights resulting from) the market consultation.
- 6) The target group for this market consultation is limited to parties as specified in 1.3 of this document. The following parties are among those excluded from participation in this market consultation: public entities, interest groups, private individuals, the press and knowledge institutions.
- 7) ProRail will draft an overall report of the conclusions of the market consultation, as based on the answers received. This report will be made public (anonymous and without any commercially sensitive details). For the avoidance of any doubt, participants must explicitly indicate (in their answers) which information given is to be considered commercially sensitive.
- 8) The Language used in this market consultation is English.
- 9) All communication regarding the market consultation, and submission of the reply forms, must take place via the following email address: **David.Vermeij@prorail.nl**
- 10) Participants participate in the market consultation on a voluntary basis; they will not receive any reimbursement for participation, nor any reimbursement of expenses incurred as a result thereof.