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| **Role/Position-** | **Quality- / Test-Engineer Junior** |
| **Location-** | **Frankfurt am Main** |
| **No. of FTE’s -** | **1** |
| **RGS ID-** | **-** |
| **1. Remote / Onsite?:** | **180 PT  Remote / 40 PT Onsite** |
| **2. Onsite Frequency/week:** |  |
| **3. Duration of the project:** | **01.01.2025 – 31.12.2025** |
| **4. Working Hours per day:** | **8 hr/day** |
| **5. Contract Mode(Freelancer/Employee):** |  |
| **6. Daily Rate (vendor) :** | **Euro** |
| **7. Language Proficiency (German/English/Both):** | **German** |
| **8. Start Date of Engagement:** | **01.01.2025** |
| **9. Experience required :** | **2-3 years** |
| **10. Job Description-** | **Must**  1. Experience in the design and implementation of software system tests  2. Confident knowledge of relevant test tools (especially Jira with Zephyr) and experienced use of methods for test case creation  **. Target**  1. Knowledge of unit tests and integration tests  2. Experience in testing enterprise applications with heterogeneous peripheral systems  3.Knowledge of testing IT projects for railway transport companies |

Framework agreement CoMPass IT Domain 1

Quality-/Test-Engineering -Testing-Standard - Junior

Project: Implementation of TAP TSI at DB Regio (existing project)

# Description of the project/process context

With the technical specifications for interoperability (TSI), the European Union defines Europe-wide requirements for the development of interoperable telematics applications in freight and passenger transport (TAF and TAP) for all railway stakeholders (railway infrastructure companies, railway undertakings, freight forwarders, wagon keepers, etc.).

The corresponding EU regulations, 1305/2014 (TAF TSI) and 454/2011 (TAP TSI), contain, among other things, the specifications and requirements for the standardisation of train path applications and offers as well as the exchange of operational messages for trains.

The operational messages between RUs and IMs listed in TAP-TSI are partially mandatory for both parties. The new format for train path applications is mandatory.

The project implements the changeover to the new TAP TSI messages primarily in the train path ordering system and in the scheduling system for operational messages.

# Object of the contract

Within the scope of the project described in Section 1, the service provider is responsible for the design, implementation and automation of software tests. In particular, the service provider is responsible for the creation of test cases and the independent testing of the (preliminary or finished) version of the software described in Section 1 provided to him by the contact person. The service provider shall provide the following services independently and in a self-organised manner:

## Test planning

* + - Identification of test cases
    - Conception and planning of manual and automatic component, integration, system, acceptance and acceptance tests Checking requirements for their testability, creating test cases from identified test objects and developing test scenarios
    - Documentation

## Test execution

* + - Creating the test cases
    - Execution of manual and automated software tests
    - Evaluation of the test results and their documentation
    - Conception, planning, organisation, implementation, execution and documentation of manual and automated component, integration, system, acceptance and acceptance tests Checking requirements for their testability, creating test cases from identified test objects and developing test scenarios (also applies to automation above)

Further specification of the service to be provided by the client is permitted insofar as the respective service contents are already mentioned in abstract form in the service description and is carried out via the contact persons to be named in advance. An exchange or addition to the subject matter of the service is only permitted if a corresponding amendment or addition to the contract is agreed between the parties. Neither the Client nor the Contractor shall have the right to unilaterally assign other or additional tasks.

The service provider shall provide the services independently and on its own responsibility. The service provider is not subject to instructions from the client in the performance of its activities. The order-related specifications required for the proper fulfilment of the contract and compliance with the project-related deadlines shall not be deemed to be instructions in the above sense. In the event of poor performance by a person employed by the service provider, this person may be rejected by the client.

## Place of fulfilment (or project location):

As a rule, services are provided remotely and independent of location. The place of fulfilment (project location) is Frankfurt am Main. It is envisaged by the project that the services will be provided onshore.

In principle, you must be willing to attend appointments that require your presence at the location of the appointment. On-site appointments generally take place in Germany. The project location will be the preferred location for the appointment, but other locations in Germany are also possible.

The distribution of service provision between remote (e.g. from the contractor's location) and onsite (or at the client's project location) can be seen in the enquiry tool (e.g. easIT).

# Technical requirements for the service provider

**Weighting of technical requirements**: For the tender evaluation, the technical evaluation is weighted at 50% and the commercial evaluation at 50%.

The service provider ensures that it will perform all contractual services with the required level of professional expertise and care. In this respect, the service provider shall fulfil the following professional requirements (mandatory requirements):

* + Experience in the design and implementation of software system tests
  + Confident knowledge of relevant test tools (especially Jira with Zephyr) and experienced use of methods for test case creation

In addition, the service provider should fulfil the following technical requirements (target requirements), whereby the individual requirements are each weighted at 1/3:

* + Knowledge of unit tests and integration tests
  + Experience in testing enterprise applications with heterogeneous peripheral systems
  + Knowledge of testing IT projects for railway transport companies

The listed mandatory requirements must be fulfilled by the bidder.

The listed target requirements and their weighting are taken into account in the technical and professional tender evaluation according to their importance.

# Shared understanding of the project

The project language is German.

The documentation language for all committee documents and all Sprint content is German

Coordination with the client and other DB stakeholders takes place via technical tools such as MS Teams, telephone and e-mail, whereby the communication structure must be adhered to. The client and contractor agree on the means of communication at the start of service provision.

Ein Bild, das Text, Screenshot, Schrift, Zahl enthält.

Automatisch generierte Beschreibung

# Enquiries

Questions about the content of the enquiry can be entered via the "Question option" in the enquiry tool (or easIT). Questions and answers are visible to all framework agreement partners, so please ensure the "anonymity" of the queries.

# Other destination

In all other respects, the provisions of the respective valid framework agreement and its annexes of Deutsche Bahn AG or the respective ordering company with the respective framework agreement partner shall apply in full.