Scope of Work

SAP HANA, SAP Business Warehouse, SAP Business Object & SAP Data Services – Platform & Transform

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ACRONYMS AND ABBREVIATIONS

VERSION	REVISION DESCRIPTION
TFR	Transnet Freight Rail
ICT	Information, Communication and Technology
SAP BW	SAP Business Warehouse
SAP BOBJ	SAP Business Objects

1. PURPOSE / OBJECTIVE

The purpose of this procurement is to source a vendor to provide classroom-based (face-to-face) training for SAP HANA 2.0 SPS05, SAP BW (Business Warehouse) on HANA 7.4 and SAP Business Object Web Intelligence 4.3 SP0.1 and SAP Data Services – Platform Transform 4.2.

2. CONFIDENTIALITY

A fundamental requirement of the procurement process is that tender information is kept confidential at all times. No team members or stakeholders are allowed to communicate these technical specifications to anyone outside of the process.

3. REQUIREMENT & TECHNICAL SPECIFICATION

Transnet Freight Rail (TFR) is currently running SAP BW version 7.4 on HANA Data Warehouse, SAP Business Object Web Intelligence 4.3 SP0.1 and Data Services 4.2 (Platform and Transform) to consolidate and report on SAP and non-SAP transactional data.

TFR requires qualified Service Providers for the provision of SAP HANA 2.0 SPS05, SAP BW (Business Warehouse) on HANA 7.4, SAP Business Object Web Intelligence 4.3 SP1 and SAP Data Services (Platform Transform) 4.2 training. There is currently no running training contract in place.

The following items are within scope of the requirements/topics:
   i.   Service Provider must be a valid certified SAP partner to offer the requested training. Please note that this is a pre-requisite.
   ii.   The provision of the below specified training:

SAP HANA 2.0 SPS05

Course Name (Topics)	Objectives	Duration (Days)	# of Delegates	Delivery method
SAP HANA HA100 – SAP HANA Introduction	- Understand the key roles and their responsibilities in an SAP HANA project - Work with the various SAP HANA interfaces used by developers and administrators - Create a data model using SAP HANA modeling tools - Acquire and enrich data and load to SAP HANA - Build a report that runs on an SAP HANA data model - Application development environment	3	8	Classroom - Supplier premises
SAP HANA HA300 – SAP HANA Modeling	- Develop information models following SAP best practices for maximum performance and flexibility - SQL and SQL-Script based modeling - Manage projects and modeling content in the SAP Web IDE for SAP HANA - Implement security and data access controls around SAP HANA data models	5	7	Classroom - Supplier premises

		3	5	
SAP HANA HA301 – SAP HANA Advanced Modeling	• Understand and put into practice the main advanced modeling capabilities of SAP HANA 2.0 SPS05 in the areas of text search and analysis, graph modeling, spatial analysis and predictive modeling. • Promote these advanced modeling capabilities to extend the core SAP HANA Modeling features. • Broader experience with the modern SAP HANA tooling in XS Advanced (SAP Web IDE for SAP HANA)	3	5	Classroom - Supplier premises

SAP BW (Business Warehouse) 7.4 on HANA

Course Name	Objective	Duration (Days)	# of Candidates	Delivery method
BW305 – Query Design & Analysis	• Gain the knowledge to create query definitions using the Bex Query and to make them available for OLAP Analysis. • Learn how to use advanced query functions. • Learn how to perform OLAP Analysis	5	6	Classroom - Supplier premises
BW310 – Enterprise Data Warehouse Modeling	• Gain SAP Netweaver Business Warehouse knowledge necessary for successful implementation and administration within a heterogeneous SAP NetWeaver BW system landscape.	5	6	Classroom - Supplier premises
BW330 – Data Warehouse Modeling	• Learn the procedures within modeling of the BW Enterprise Data Warehouse and acquire deep knowledge about modeling and implementation of data warehousing with SAP BW 7.4. on HANA.	5	6	Classroom - Supplier premises
BW350 Data Acquisition	• Learn how to extract data from SAP source systems with the SAP API (Application Programming Interface) and how to manage delta data. • Acquire data from using different interfaces such as: SDI - Smart Data Integration, SDA - Smart Data Access, ODP -Operational Data Provisioning, Flat File, DB Connect, XML, and Data Services.	5	6	Classroom - Supplier premises
BW360 – Operations & Performance	• Understand the Components and Architecture of SAP BW and SAP HANA. • Create and Manage CompositeProviders and ADSO • Perform Delta Merge • Administer and Monitor Data Acquisition • Information Lifecycle Management • Manage SAP BW Transports • Manage SAP HANA Transports • Optimize Query Performance • Administer and Analyze BW Statistics	5	6	Classroom - Supplier premises

	• SAP HANA Administration for BW			

SAP Business Objects Web Intelligence 4.3 SP01

Course Name	Objective	Duration (Days)	# of Candidates	Delivery method
BOW310 - SAP Business Object Web Intelligence Report Design I	• Learn how to create Web Intelligence documents for reporting and analytical purposes: to retrieve data by building queries using SAP BusinessObjects universes, to restrict data with query filters, to display and format data in tables and charts. • Learn how to organize, manage and distribute documents in the BI Launch Pad.	2	7	Classroom - Supplier premises
BOW320 - SAP Business Object Web Intelligence Report Design II	• Enhance and advance Web Intelligence skills. • Learn advanced query techniques, including subqueries, combined queries and synchronizing retrieval from multiple data sources. • Learn how to manipulate calculation contexts, to create complex formulas (with nested functions and IF logic), as well as implementing other useful reporting features, such as tracking changes in data and linking options.	2	7	Classroom - Supplier premises

Data Services – Platform and Transform 4.2

Course Name	Objective	Duration (Days)	# of Candidates	Delivery method
DS10: Data Services – Platform and Transform	• Defining Data Services • Source and Target Metadata • Batch Job Creation • Batch Job Troubleshooting • Functions, Scripts, and Variables • Platform Transforms • Error Handling • Changes in Data • Data Services Integrator Transforms	3	5	Classroom - Supplier premises

iii. Experience (training resources/facilitators must provide reference letters, on the client's letterhead, with verifiable references from their clients).
iv. Topics covered on the training must be aligned to the objectives per training course as set out in this scope of work above.
v. Training delivery method (classroom-based (face-to-face))

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Name and Surname

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Signature