



Telkom Tenders

RFP004/07 : SUPPLY OF A SYSTEM DEVELOPMENT METADATA REPOSITORY AND TOOLS

Closing date & Time	2007/04/20 @ 11:00
CONTACT PERSON	Moegammat Ismail
TEL	(012) 311-8657
FAX	(012) 311-1665
e-mail	ismailmk@telkom.co.za
Cost	R200.00

SCOPE:

Telkom has a requirement for a robust repository to facilitate integration of system design and development related models across multiple design toolsets. In addition to the repository, a toolset for the modeling of enterprise architecture models as well as a toolset for the modeling and reverse engineering of data artifacts are also required.

CRITICAL CRITERIA :

The following critical criteria will be used to evaluate. Failure to comply with this criteria will result in automatic disqualification:

1. The Meta-Data Repository;

- Shall work in both passive and Active Mode (Round Trip Engineering): Ability to switch operating mode from passive to active without migration and to operate in both modes concurrently
- Shall restrict access to individual users and groups including but not limited to:
 - maintain data integrity for concurrent users,
 - provide audit trails,
 - create versions of items and arrange them into configurations,
 - attach comments to diagrams and items in the repository and
 - define promotion paths, including the enforcement of promotion criteria.
- Shall maintain version control at element level: Past, current and future releases.
- Shall enable element interoperability (Semantics) between the various case tools by means of a native interface/Bridge: This includes control of elements common.
- To multiple case tools such as (Enterprise Architect (Sparx), Aris,



Telkom Tenders

- Embarcadero, Case Wise, Popkins-System Architect)
- Shall store information of interest to architects. This includes, but is not limited to, information about the business (including business processes), data, applications and such technologies as servers, desktop computers and middleware.
 - Shall support imports and exports in such formats as Extensible Markup Language (XML), XML Metadata Interchange (XMI), (MOF) Meta-Object-Facility, (CWM) Common Warehouse Meta-model , UML and comma-separated values (CSV)
 - Shall share the meaning of a string of characters and/or symbols in some language within a context that assures the correct interpretation by all actors based on universal standards and definitions including but not limited to;
 - Semantic Interoperability Standards – UDEF, RDF, OWL
 - Domain specific standards (Semantic and syntax payload) - OAGIS, ACORD, XBRL, HL&, EIA-836, PLCS...
 - Semantic Foundation Standards – ISO/IEC11179-5, ISO15000-5 naming and design rules
 - Syntax foundation Standards – W3C-XML, XML Schema
 - Shall be Microsoft Compatible.

2. The Business planning Tool

- Shall enable the import and maintenance of a pre-configured Enterprise Architecture framework with meta models, templates and standard reports and Industry models with best practices, CSF's and KPI's in conjunction with the TMF models (eg. eTOM, SID, NGOSS, etc.)
- Shall enable the Import/Export of Information: Much of the information of interest in is not created by architects. It comes from many sources, including business strategies, design documents, asset management tools, network and system management tools, and middleware. Enterprise architecture also might be used as input for such tasks as the design of applications.
- Shall support imports and exports in such formats as Extensible Markup Language (XML), XML Metadata Interchange (XMI), UML and comma-separated values (CSV).

3. Reverse Engineering Tool

- Shall have a native interface to Oracle, IBM, Sybase, Informix, and SQL server.
- Shall reverse engineer. This includes, but is not limited to XSD,s, Copy-books, java, data schema, methods, triggers and database statistics.

4. Vendor capability

- The vendor shall have a proven track record with reference sites where the above technologies and frameworks have



Telkom Tenders

been successfully implemented and used within the Enterprise Architecture domain.

5. BEE Compliance

- Bidders must have a minimum of 25.1% black ownership.

The tender document can be obtained from Telkom's Tender Office at the following address:

Attention: Willie Senekal
Tel: (012) 311 3364
179 Proes Street
Pretoria
0001