



# JOB AID: CSD API Services

Central Supplier Database

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1. APPROVAL

<b>Project</b>	Central Supplier Database
<b>Document Title</b>	Job Aid: API Services
<b>Status</b>	Published
<b>Document Revision</b>	1.3

The signatories hereof, being duly authorised thereto, by their signatures hereto authorise the execution of the work detailed herein, or confirm their acceptance of the contents hereof and authorise the implementation/adoption thereof, as the case may be, for and on behalf of the parties represented by them.

Designation	Name	Signature / Date
Director: Central Supplier Database Office of the Chief Procurement Officer	Tumelo Ntlaba	 17 Mar 2016
Central Supplier Database Architect Accenture	CSD Team	 17 Mar 2016



## 2. INTRODUCTION

The Central Supplier Database (CSD) system serves as a central master of supplier information for Organs of State (OoS):

- National departments;
- Provincial departments;
- Local government; and
- State Owned Entities (SOE's).

In order for OoS to make use of the supplier information, it is made available using three mechanisms:

1. Online functionality whereby users can search for suppliers;
2. Real time (RESTfull) services whereby systems can consume supplier information; and
3. Bulk data (XML format) whereby systems can consume large volumes of supplier information.

The Real Time and Bulk Data services is available on the CSD User Acceptance Testing (UAT) **and Production** environments as described in the CSD Integration Testing Job Aid (reference 4).

The remainder of this document describes the Real Time services as well as the Bulk Data services available on the UAT **and Production** environments.

## 3. PURPOSE

The purpose of this document is to describe the Real Time services as well as the Bulk Data services available on UAT **and Production** environments.

## 4. AUDIENCE

The audience of this document includes the teams responsible for preparing organ of state systems to consume CSD supplier information in bulk.



## **5. REAL TIME SERVICES**

### **5.1. OVERVIEW**

Real Time services refer to RESTfull services that provide supplier specific information as described in reference 3.

### **5.2. SERVICES**

The following services are available:

- Authentication service;
  - Verifies the credentials of the consumer and establishes a session.
- Full supplier record with the following subsets;
  - Identification;
  - Contacts;
  - Addresses;
  - Bank accounts;
  - Tax;
  - Directors / Members;
  - Associations;
  - Commodities and locations;
  - Accreditations; and
  - BBBEE.
- Supplier statuses; and
- Service per subset.

Detailed information of each service is covered in section 13 below.



## **6. BULK DATA SERVICES**

### **6.1. OVERVIEW**

Bulk Data services refer to RESTfull services that provide bulk files as described in reference 2.

### **6.2. SERVICES**

The following services are available:

- Authentication service;
  - Verifies the credentials of the consumer and establishes a session.
- Get a list of available files; and
- Get a bulk file.

Detailed information of each service is covered in section 14 below.



## 7. OPEN ITEMS

No open items are noted.

## 8. OUTSTANDING ISSUES

No outstanding issues noted.

## 9. DECISION LOG

No decision are noted.

## 10. REVISION HISTORY

Version	Revision Description	Date	By
0.1	Created	25/01/2016	CSD Team
1.0	Published	05/02/2016	CSD Team
1.1	Updated Associations Added bank account changed field Added tax changed field Added tax registered field Added government employee and tender defaulter fields to Identification and Directors subset	10/02/2016	CSD Team
1.2	Updated naming changes to align services, bulk and documentation Added bank account to bulk Added tax to bulk Added ID key field to Address, Contacts, Directors, Bank Accounts, Associations, Accreditations and Commodity Added key statuses service	22/03/2016	CSD Team
1.3	Added BBBEE Foreign/International Bank Accounts Document covers both UAT and Production environments	31/03/2016	CSD Team

## 11. REFERENCES

No	Name	Version	Date
1.	CSD Job Aid: On-boarding <a href="http://ocpo.treasury.gov.za/Buyers_Area/Pages/Supplier-Management.aspx">http://ocpo.treasury.gov.za/Buyers_Area/Pages/Supplier-Management.aspx</a>	N/A	N/A
2.	CSD Job Aid: Bulk Data <a href="http://ocpo.treasury.gov.za/Buyers_Area/Pages/Supplier-Management.aspx">http://ocpo.treasury.gov.za/Buyers_Area/Pages/Supplier-Management.aspx</a>	N/A	N/A
3.	CSD Job Aid: Real Time Services <a href="http://ocpo.treasury.gov.za/Buyers_Area/Pages/Supplier-Management.aspx">http://ocpo.treasury.gov.za/Buyers_Area/Pages/Supplier-Management.aspx</a>	N/A	N/A
4.	CSD Job Aid: Integration Testing <a href="http://ocpo.treasury.gov.za/Buyers_Area/Pages/Supplier-Management.aspx">http://ocpo.treasury.gov.za/Buyers_Area/Pages/Supplier-Management.aspx</a>	N/A	N/A
5.	CSD Job Aid: Bulk File Download Utility <a href="http://ocpo.treasury.gov.za/Buyers_Area/Pages/Supplier-Management.aspx">http://ocpo.treasury.gov.za/Buyers_Area/Pages/Supplier-Management.aspx</a>	N/A	N/A



## 12. ABBREVIATIONS

Abbreviation	Description
API	Application Programming Interface
CSD	Central Supplier Database
OoS	Organ of State
SOE	State Owned Entity
UAT	User Acceptance Testing





### 13. APPENDIX A: REAL TIME SERVICES

The following table details information of each service:

Service Name	Property	Date		
		08/02/2016	18/03/2016	31/03/2016
<b>Authentication service</b>				
<b>Authenticate</b>				
	Token	✓		
	TokenCreatedDateTime	✓		
	TokenExpireDateTime	✓		
	LockoutEnabled	✓		
	IsSuspended	✓		
	IsAccountActive	✓		
	IsAccountVerified	✓		
	IsPasswordExpired	✓		
	SuspendedUntil	✓		
	IsTermsAndConditionsAccepted	✓		
<b>Full supplier record</b>				
<b>GetSupplierDetailsFull</b>	Refer to the individual subsets as this method returns a combination of all the subsets	✓		
<b>Supplier statuses</b>				
<b>GetSupplierDetailsStatuses</b>				
<b>Identification</b>				
	Is Active		✓	
	Supplier Inactive Reason		✓	
	Supplier Inactive Date		✓	
	Business Status Code		✓	
	Business Status Name		✓	
	Business Status Last Verification Date		✓	
	SupplierFlagType		✓	
	SupplierFlagDescription		✓	
	SupplierFlagValue		✓	
	SupplierFlagDetails		✓	
	SupplierFlagLastVerificationDate		✓	
<b>Tax</b>				
	Is Registered		✓	
	Tax Clearance Certificate Expiry Date		✓	
	Last Verification Date		✓	
	Is Valid Certificate		✓	
	Validation Response		✓	
<b>Directors</b>				
	DirectorID		✓	
	Name		✓	
	Surname		✓	
	SupplierFlagType		✓	
	SupplierFlagDescription		✓	
	SupplierFlagValue		✓	
	SupplierFlagDetails		✓	
	SupplierFlagLastVerificationDate		✓	
<b>Supplier subset</b>				
<b>GetSupplierDetailSI</b>				
	UniqueRegistrationReferenceNumber			✓
	Supplier Number	✓		



Is Active	✓	
Supplier Inactive Reason	✓	
Supplier Inactive Date	✓	
Is Associated	✓	
Supplier TypeCode	✓	
Supplier SubName	✓	
Government Type Code	✓	
Government Type Name		✓
Industry Type Code	✓	
Industry Type Name		✓
Country Of Origin Code	✓	
Country Of Origin Code		
Business Status Code	✓	
Business Status Name		✓
Business Status Last Verification Date		✓
Legal Name	✓	
Trading Name	✓	
ID Type Code	✓	
ID Type Name		✓
SA ID Number	✓	
Foreign ID Number	✓	
Foreign Passport Number	✓	
Work Permit Number	✓	
SA Company Number(Business Registration Number with CIPC)	✓	
Registration Date	✓	
Foreign Company Registration Number	✓	
SA Trust Registration Number	✓	
Foreign Trust Registration Number		✓
Date Operation Started	Future	
Created Date Time	✓	
Edit Date Time	✓	
SupplierFlagType		✓
SupplierFlagDescription		✓
SupplierFlagValue		✓
SupplierFlagDetails		✓
SupplierFlagLastVerificationDate		✓
<b>GetSupplierDetailsContact</b>		
HaveBankAccount		✓
ContactID		✓
Contact Type Code	✓	
Contact Type Name		✓
Is Preferred	✓	
Name	✓	
Surname	✓	
Identification Type Code	✓	
Identification Type Name		✓
SA ID Number	✓	
Foreign ID Number	✓	
Foreign Passport Number	✓	
Work Permit Number	✓	
Preferred Cellphone	✓	
Preferred Email	✓	
Preferred Fax	✓	
Preferred Postal	✓	



Preferred SMS	✓	
Preferred Telephone	✓	
Email Address	✓	
Cellphone Number	✓	
Fax Number	✓	
Telephone Number	✓	
CSD User	✓	
Is Active	✓	
Edit Date Time	✓	
CreatedDate		✓
<b>GetSupplierDetailsAddress</b>		
AddressID		✓
Is Preferred	✓	
Address Type Code	✓	
Address Type Name		✓
Address Line1	✓	
Address Line2	✓	
CountryCode	✓	
CountryName		✓
DistrictCode	✓	
DistrictName		✓
ProvinceCode	✓	
ProvinceName		✓
MunicipalityCode	✓	
MunicipalityName		✓
CityCode	✓	
CityName		✓
SuburbCode	✓	
SuburbName		✓
WardCode	✓	
WardName		✓
Postal Code	✓	
Is Postal Address	✓	
Is Delivery Address	✓	
Is Physical Address	✓	
Is Payment Address	✓	
Edit Date	✓	
CreatedDate		✓
<b>GetSupplierDetailsBanking</b>		
BankAccountID		✓
Account Holder	✓	
BankAccountStatusCode		✓
BankAccountStatusName		✓
Bank Account Type Code	✓	
Bank Account Type Name		✓
Bank Name	✓	
Branch Name	✓	
Branch Number	✓	
Account Number	✓	
IsForeignBankAccount		✓
CountryCode		✓
CountryName		✓
AddressLine1		✓
AddressLine2		✓
ZipCode		✓



CreatedDate		✓
EditDate		✓
<b>GetSupplierDetailsTax</b>		
Is Registered	✓	
Income Tax Number	✓	
PAYE Number	✓	
VAT Number	✓	
Tax Clearance Certificate Expiry Date	✓	
Last Verification Date	✓	
Is Valid Certificate	✓	
Validation Response	✓	
Created Date		✓
Edit Date	✓	
<b>GetSupplierDetailsDirectors</b>		
DirectorID		✓
Name	✓	
Surname	✓	
ID Type Code	✓	
ID Type Name		✓
SA ID Number	✓	
Foreign ID Number	✓	
Foreign Passport Number	✓	
Work Permit Number	✓	
Director Status Type Code	✓	
Director Status Type Name		✓
Appointment Date	✓	
Is Active		✓
Edit Date	✓	
CreatedDate		✓
Country Type Code	✓	
Country Type Name		✓
DirectorTypeCode		✓
DirectorTypeName		✓
SupplierFlagType		✓
SupplierFlagDescription		✓
SupplierFlagValue		✓
SupplierFlagDetails		✓
SupplierFlagLastVerificationDate		✓
<b>GetSupplierDetailsAssociation</b>		
AssociationID		✓
Supplier Number Requestor	✓	
Supplier Number Requested	✓	
Association Type Code	✓	
Association Type Name		✓
Association Status Type Code	✓	
Association Status Type Name		✓
Edit Date		✓
CreatedDate		✓
<b>GetSupplierDetailsCommodities</b>		
CommodityGroupID		✓
Group Name	✓	
Group Description	✓	
IsActive	✓	
Edit Date Time	✓	
CreatedDate		✓



Nationwide	✓	
Province wide	✓	
CommodityCode	✓	
CommodityName		✓
ClassCode	✓	
ClassName		✓
FamilyCode	✓	
FamilyName		✓
SegmentCode	✓	
SegmentName		✓
WardCode		✓
WardNumber	✓	
SuburbCode	✓	
SuburbName		✓
CityCode	✓	
CityName		✓
MunicipalityCode	✓	
MunicipalityName		✓
DistrictCode	✓	
DistrictName	✓	✓
ProvinceName	✓	
ProvinceCode		✓
Edit Date		✓
ProvinceName (when provincewide)	✓	
ProvinceCode (when provincewide)	✓	
<b>GetSupplierDetailsAccreditation</b>		
AccreditationID		✓
AccreditationBodyName	✓	
AccreditationBodyCode	✓	
AccreditationBodyParentName	✓	
AccreditationBodyParentCode	✓	
AccreditationNumber	✓	
RegistrationDate	✓	
ExpiryDate	✓	
Description	✓	
IsVerified	✓	
StatusName	✓	
StatusCode	✓	
IsActive	✓	
EditDate	✓	
CreatedDate		✓
<b>GetSupplierDetailsBBBEE</b>		
CertificateTypeCode		
CertificateTypeName		
VerificationRegulatorCode		
VerificationRegulatorName		
CertificateNumber		
CertificateIssueDate		
CertificateExpiryDate		
StatusLevelOfContributorCode		
StatusLevelOfContributorName		
BlackOwnership		
BlackWomanOwnership		
IsAcceptUnderstandAffidavid		



CertificateSignedBy
CertificateSignDate
SectorCharterCode
SectorCharterName
SubSectorCharterCode
SubSectorCharterName
ValueAddingSupplier
EmpoweringSupplier
IRBARegisteredAuditorCode
IRBARegisteredAuditorName
SANASAccreditedAgencyCode
SANASAccreditedAgencyName
OwnershipScore
ManagementControlScore
EmploymentEquityScore
SkillsDevelopmentScore
PreferentialProcurementScore
EnterpriseDevelopmentScore
SocioEconomicDevelopmentScore
EnterpriseSupplierDevelopmentScore
LandOwnershipScore
EmpowermentFinancingScore
AccessFinancialServicesScore
EconomicDevelopmentScore
ForeignOwnershipScore
TotalAnnualTurnoverCode
TotalAnnualTurnoverName
FinancialYearStartDate
FinancialYearEndDate
CreatedDate
EditDate

**14. APPENDIX B: BULK DATA SERVICES**

The following table details information of each service:

Service Name	Property	Date
		08/02/2016
<b>Authentication service</b>		
<b>Authenticate</b>		
	Token	✓
	TokenCreatedDateTime	✓
	TokenExpireDateTime	✓
	LockoutEnabled	✓
	IsSuspended	✓
	IsAccountActive	✓
	IsAccountVerified	✓
	IsPasswordExpired	✓
	SuspendedUntil	✓
	IsTermsAndConditionsAccepted	✓
<b>Get file list</b>		
<b>GetBulkFileList</b>		
	FileName	✓
	Date	✓
	FileNumber	✓
	FilePeriod	✓
<b>Get file</b>		
<b>GetBulkFile</b>		
	This method does not return a property but a file stream.	✓

NOTE: A bulk file download utility is available and described in reference 5.



**15. APPENDIX C: BULK DATA FIELDS**

The following table details the fields available in the bulk file:

Subset	Field	Date		
		08/02/2016	10/02/2016	31/03/2016
<b>SupplierIdentification</b>				
	Supplier Number	✓		
	Unique Registration Reference Number	✓		
	Is Active	✓		
	Supplier Inactive Reason	✓		
	Supplier Inactive Date	✓		
	Is Associated	✓		
	Supplier TypeCode	✓		
	Supplier SubName	✓		
	Government Type Code	✓		
	Government Type Name		✓	
	Industry Type Code	✓		
	Industry Type Name		✓	
	Country Of Origin Code	✓		
	Country Of Origin Code			
	Business Status Code	✓		
	Business Status Name		✓	
	Business Status Last Verification Date		✓	
	Legal Name	✓		
	Trading Name	✓		
	ID Type Code	✓		
	ID Type Name		✓	
	SA ID Number	✓		
	Foreign ID Number	✓		
	Foreign Passport Number	✓		
	Work Permit Number	✓		
	SA Company Number(Business Registration Number with CIPC)	✓		
	Registration Date	✓		
	Foreign Company Registration Number	✓		
	SA Trust Registration Number	✓		
	Foreign Trust Registration Number		✓	
	Date Operation Started	Future		
	Created Date Time	✓		
	Edit Date Time	✓		
	SupplierFlagType		✓	
	SupplierFlagDescription		✓	
	SupplierFlagValue		✓	
	SupplierFlagDetails		✓	
	SupplierFlagLastVerificationDate		✓	
<b>Contacts</b>				
	HaveBankAccount			✓
	ContactID		✓	
	Contact Type Code	✓		
	Contact Type Name		✓	
	Is Preferred	✓		
	Name	✓		
	Surname	✓		
	Identification Type Code	✓		
	Identification Type Name		✓	
	SA ID Number	✓		





Foreign ID Number	✓	
Foreign Passport Number	✓	
Work Permit Number	✓	
Preferred Cellphone	✓	
Preferred Email	✓	
Preferred Fax	✓	
Preferred Postal	✓	
Preferred SMS	✓	
Preferred Telephone	✓	
Email Address	✓	
Cellphone Number	✓	
Fax Number	✓	
Telephone Number	✓	
CSD User	✓	
Is Active	✓	
Edit Date Time	✓	
CreatedDate		✓
<b>Addresses</b>		
AddressID		✓
Is Preferred	✓	
Address Type Code	✓	
Address Type Name		✓
Address Line1	✓	
Address Line2	✓	
CountryCode	✓	
CountryName		✓
DistrictCode	✓	
DistrictName		✓
ProvinceCode	✓	
ProvinceName		✓
MunicipalityCode	✓	
MunicipalityName		✓
CityCode	✓	
CityName		✓
SuburbCode	✓	
SuburbName		✓
WardCode	✓	
WardName		✓
Postal Code	✓	
Is Postal Address	✓	
Is Delivery Address	✓	
Is Physical Address	✓	
Is Payment Address	✓	
Edit Date	✓	
CreatedDate		✓
<b>BankAccounts</b>		
BankAccountID		✓
Account Holder		✓
BankAccountStatusCode		✓
BankAccountStatusName		✓
Bank Account Type Code	✓	
Bank Account Type Name	✓	
Bank Name	✓	
Branch Name	✓	
Branch Number	✓	
Account Number	✓	



IsForeignBankAccount		✓
CountryCode		✓
CountryName		✓
AddressLine1		✓
AddressLine2		✓
ZipCode		✓
CreatedDate		✓
EditDate		✓
<b>GetSupplierDetailsTax</b>		
Is Registered	✓	✓
Income Tax Number	✓	✓
PAYE Number	✓	✓
VAT Number	✓	✓
Tax Clearance Certificate Expiry Date	✓	✓
Last Verification Date	✓	✓
Is Valid Certificate	✓	✓
Validation Response	✓	✓
Created Date		✓
Edit Date	✓	✓
<b>Directors</b>		
DirectorID		✓
Name	✓	
Surname	✓	
ID Type Code	✓	
ID Type Name		✓
SA ID Number	✓	
Foreign ID Number	✓	
Foreign Passport Number	✓	
Work Permit Number	✓	
Director Status Type Code	✓	
Director Status Type Name		✓
Appointment Date	✓	
Is Active		✓
Edit Date	✓	
CreatedDate		✓
Country Type Code	✓	
Country Type Name		✓
DirectorTypeCode		✓
DirectorTypeName		✓
SupplierFlagType		✓
SupplierFlagDescription		✓
SupplierFlagValue		✓
SupplierFlagDetails		✓
SupplierFlagLastVerificationDate		✓
<b>Associations</b>		
AssociationID		✓
Supplier Number Requestor		✓
Supplier Number Requested		✓
Association Type Code		✓
Association Type Name		✓
Association Status Type Code		✓
Association Status Type Name		✓
Edit Date		✓
CreatedDate		✓
<b>CommodityGroups</b>		
CommodityGroupID		✓
Group Name	✓	
Group Description	✓	
IsActive	✓	



Edit Date Time	✓	
CreatedDate		✓
Nationwide	✓	
Province wide	✓	
CommodityCode	✓	
CommodityName		✓
ClassCode	✓	
ClassName		✓
FamilyCode	✓	
FamilyName		✓
SegmentCode	✓	
SegmentName		✓
WardCode		✓
WardNumber	✓	
SuburbCode	✓	
SuburbName		✓
CityCode	✓	
CityName		✓
MunicipalityCode	✓	
MunicipalityName		✓
DistrictCode	✓	
DistrictName	✓	✓
ProvinceName	✓	
ProvinceCode		✓
Edit Date		✓
ProvinceName (when provincewide)	✓	
ProvinceCode (when provincewide)	✓	
<b>Accreditations</b>		
AccreditationID		✓
AccreditationBodyName	✓	
AccreditationBodyCode	✓	
AccreditationBodyParentName	✓	
AccreditationBodyParentCode	✓	
AccreditationNumber	✓	
RegistrationDate	✓	
ExpiryDate	✓	
Description	✓	
IsVerified	✓	
StatusName	✓	
StatusCode	✓	
IsActive	✓	
EditDate	✓	
<b>BBBEE</b>		
CertificateTypeCode		✓
CertificateTypeName		✓
VerificationRegulatorCode		✓
VerificationRegulatorName		✓
CertificateNumber		✓
CertificateIssueDate		✓
CertificateExpiryDate		✓
StatusLevelOfContributorCode		✓
StatusLevelOfContributorName		✓
BlackOwnership		✓
BlackWomanOwnership		✓
IsAcceptUnderstandAffidavid		✓



CertificateSignedBy	✓
CertificateSignDate	✓
SectorCharterCode	✓
SectorCharterName	✓
SubSectorCharterCode	✓
SubSectorCharterName	✓
ValueAddingSupplier	✓
EmpoweringSupplier	✓
IRBARegisteredAuditorCode	✓
IRBARegisteredAuditorName	✓
SANASAccreditedAgencyCode	✓
SANASAccreditedAgencyName	✓
OwnershipScore	✓
ManagementControlScore	✓
EmploymentEquityScore	✓
SkillsDevelopmentScore	✓
PreferentialProcurementScore	✓
EnterpriseDevelopmentScore	✓
SocioEconomicDevelopmentScore	✓
EnterpriseSupplierDevelopmentScore	✓
LandOwnershipScore	✓
EmpowermentFinancingScore	✓
AccessFinancialServicesScore	✓
EconomicDevelopmentScore	✓
ForeignOwnershipScore	✓
TotalAnnualTurnoverCode	✓
TotalAnnualTurnoverName	✓
FinancialYearStartDate	✓
FinancialYearEndDate	✓
CreatedDate	✓
EditDate	✓