

CURRICULUM VITAE

Updated 2008

PERSONAL DETAILS

Surname	<i>de Villiers</i>
Name	<i>Martin David</i>
Home Address	<i>On Request</i>
Postal Address	<i>On Request</i>
Home Phone Number	<i>On Request</i>
Cellular Number	<i>On Request</i>
E-Mail Address	<u><i>xtupie@webmail.co.za</i></u>
Marital Status	<i>On Request</i>
Children	<i>On Request</i>
Home Language	<i>English & Afrikaans</i>
Language Fluency	<i>English & Afrikaans</i>
Date of Birth	<i>On Request</i>
Nationality	<i>On Request</i>
Identity Number	<i>On Request</i>
Drivers License	<i>On Request</i>
Hobbies	<i>Flight Simulation, Mission work, Out doors</i>

EDUCATION DETAILS

School Name	<i>Sir Pierre Van Ryneveld High School</i>
Matriculated	<i>November 1981</i>
Subjects Passed	<i>English (H), Afrikaans (H), Geography (H),Accountancy (S), Mathematics (S), Science (S)</i>
Activities	<i>Band, Cadets, Rifle Shooting & Cross Country</i>
Leadership Rolls	<i>1975 - Perfect (Kempton Park Primary School) 1976 to 1977 – Bugle Major,1978 to 1981 – Band Major, 1980 – Perfect, 1981 – Deputy Head Boy</i>
Awards	<i>1986 to 1981 – Scroll for Cadets 1986 to 1987 - Best Bugler Trophy 1987 - Best Bugles on the East Rand Trophy 1980 to 1981 - Best Bands Man Trophy 1980 - TED 12 Year Attendance Certificate 1981 - TED 13 Year Attendance Certificate 1981 - DUX Cultural Trophy</i>
Higher Education	<i>National Certificate (Technikon SA 2 years) National Diploma- Information Systems (5 years.) Certificate in Christian Services (Parts 1, 2 and 3) I am currently completing a Pastoral Diploma (I have 5 subject to complete)</i>
Subjects Passed for Diploma	<i>Information Systems I, Pascal Programming,Commercial Programming I, Business Economics I, Program Design, Commercial Programming II, Information Technical Skills I, Language and life Skills, Computer Literacy, Systems Software I, Information Systems II, Systems Implementation, Development software III - Databases, Financial Accounting I, Project Thesis, Information Systems III – Databases, Information Systems III – Project Management, Installations Management III</i>
Subjects Passed Certificate in Christian Services	<i>Christian Maturity, The Kingdom, The Power And The Glory Cornerstones Of Faith, The Christian Church In Ministry, Spiritual Maturity, Solving Life's Problems, Tents, Temples And Palaces, Alive In Christ, Starting New Churches, Preaching And Teaching, Projects, Tasks, And Goals, Studying The Bible The Responsible Christian, Counsellor Teacher And Guide, Helping Christians Grow, Sharing The Good News, Abundant Living, Praise And Worship</i>

PROFESSION CERTIFICATIONS

Certification Logo on Request	2005/06/09 - TeraData Certified Professional
Certification Logo on Request	2005/07/21 - TeraData Certified Implementation Specialist
Certification Logo on Request	2005/07/28 - TeraData Certified Design Architect
Certification Logo on Request	2005/08/18 - TeraData Certified Administrator
Certification Logo on Request	2005/08/04 - TeraData Certified Application Developer
Certification Logo on Request	2005/10/20 - TeraData Certified SQL Specialist
Certification Logo on Request	2005/10/20 - TeraData Advance Certified Professional
Certification Logo on Request	2005/10/20 - TeraData Certified Master

EMPLOYMENT DETAILS

Company Name	EDS / ATRAXIS
Employee Address	P.O. Box 2007, Johannesburg International Airport, 1620
Telephone Number	27-11-978-1564
Fax Number	27-86-646-6707
Department	Data Centre (Database Administration)
Position	Database Specialist
Service History Mainframe	Twenty-Five Years, three months (01 December 1981) One year of Management Statistics, One year Cargo Prorations, Five year Tariffs, Twenty Years Mainframe Experience (Since January 1988) VM systems (1 Years), SQL/DS Database Administration (2 Years), DB2 Database Administration (18 Years) TeraData Administration (3 Year)
Personal Computer Experience	Twenty-Four years, Personal Computer Experience (Since 1984), Lotus, DBASE 3, Q&A, Turbo Pascal, Visual Basic, Basic, Windows (3.11, 95, 98, 2000, XP), AmiPro, DOS, Harvard Graphics, MS-Word, MS-Excel and MS-Access, MS-Power point, Quattro Pro.
Programming Experience Mainframe	Cobol - Two years at Technikon level and three month within the DB2 environment. REXX - Nine years experience PLI - Two Year experience Assembler - One year experience Huron - Three months experience Pascal - Two years experience SQL - Twenty-four years experience Application System (AS) - Two years Experience Pascal, Turbo Pascal - Nine years
Programming Experience P.C.	Basic - Three years MS Access - Seven years Visual Basic - Five years Delphi - Three months C - Three months CLIPPER - Six months DBASE III - Five years Q&A - Seven years experience DOS Batch - Fifteen years HTML - One year

The above excludes most non programming tools like Spreadsheets (Lotus 123, Excel, Quattro), Graphic tools (Harvard Graphic, Power point) and word processors (WORD, Word Perfect, Word Start, Professional Write, Lotus AmiPro etc), most of which I have more than 5 years of hands on experience. I have extensive personal computer programming experience and have written more than thirty applications for private companies in most 3GL's and 4GL's on the market today.

CAREE HISTORY

I started my career with South African airways on the 1st of December 1981 as a clerk. My first department I worked in was Tariffs. Here we worked out the fare quotes for the different Travel Agencies. I also worked with Groups and Tours, Reservation, Refunds and Apex changes before being promoted to Senior Clerk at Planning.

Here I was responsible to compile the management statements and reports needed for my manager to attend various South African Airways route. We kept statistics on passengers volumes, excess baggage, Mail and Freight carried. I was responsible for six airlines.

I was promoted to Cargo, where I was responsible for the auditing of all the International waybills, which had a domestic routing. I would work out and claim the South African Airways domestic routing from any foreign airline.

I was promoted to junior programmer in January 1989 and was trained for four months as an assembled programmer. I was also voted best programmer for 1989.

After my training, I was transferred as a systems programmer to the VM system, I responsible for the installation and maintenance of AS (Application System), QMF (Query Management Facility) and the SQL/DS databases.

During 1989, SA Airways decided to start a Database Administration section, I was selected to take care of the Relational Databases in this section and was promoted to Senior Database Administrator.

I also represented South African Airways at SAXPLOR in Cape Town (1990) and a BUG (BMC User group) in Houston Texas (1994).

In March 1998, I migrated our current DB2 System from DB2 Version 3.1 to DB2 Version 4.1. In September 1998, I migrated our DB2 Version 4.1 system to DB2 version 5.1. Due to the Y2K project and South African Airways outsource to ATRAXIS and later EDS no further upgrades were done. We are planning a Version 7.2 upgrade in mid 2003.

I was also responsible to setup and implement the DB2 Year 2000 system and am involved in the relevant testing and changes on the Database. I was also on site during the Y2K cut over and to date we have no outages.

Part my of my job function is to make our DBA more pro active by doing things smarter. I initiated this process and I wrote the entire DB2 automation tool. I am currently busy writing applications in REXX, Visual basic, PLI, Turbo Pascal and Microsoft Access to automate the DB2 DBA tasks such as automated Reorgs, Image copy generators, space calculators, DBA aids etc

In September and October 1997, I was involved in the initial database design and tuning of the SQL for the SFA Project (Sales Force Automation). This project will allow our sales team to get up to date information form the DB2 system and enable them to clinch deals at the agents and print out the contracts.

In February 1993 I was promoted to management as a Project Leader for SA Airways' Relational Databases and also a technical advisor and specialist in this area. I am currently the Database Project Leader for all ATRAXIS' mainframe databases.

CAREE HISTORY Continued

In fact, there is not a single DB2 project or task that is currently running at South African Airways that I have been responsible for or involved in, to bring DB2 to where it today. That includes all the installations, migrations, backups, recoveries, night tasks, procedures, DRP plans, automation programs, naming standards, security procedures etc has been my personal responsibility.

Since moving to ATRAXIS Africa in April 2000, I have been involved in all the DB2 activity, I was part of the team that successfully converted our Human Resources system to the UNIX platform-using ORACLE but we will convert this to DB2 UD in the near future.

I was also part of the SOLARIS 8 Upgrade team which successful migrated from SOLARIS 7 to SOLARIS 8 in December 2000. My part was to migrate the ORACLE/DB2 gateway in this process.

In 2001, I was part of the team, which did the largest I.T. migration in Southern Africa, when moved from South African Airways SAFARI Reservations system to AXRES.

In 1990, 1991, 1992, and 1996 I represented SA Airways at the annual IDUG (International DB2 user Group). During early 1991, we installed DB2, I was responsible for the DSNZPARM setups and the entire backup and recovery, and data structure setup and the initial database design of the Voyager system. In 1994, I was part of the team that installed DB2 Version 2.3. And in 1997, I personally install DB2 Version 3.1 on test and production. In 1998, I was the project leader for the installation and migration of DB2 to Version 4.1 and 5.1. I personally did the Database migrations in both instances.

I have been involved at the database level with the following projects within SA Airways: - Voyager and Voyager II (a client reward scheme), Human Resources Project (a system to control your personal and salaries), Operation Control Project (a system to control crew and aircraft scheduling using Unix to DB2 connectivity), Frequent Flyer (a client reward scheme), Namibian Frequent Flyer (a client reward scheme for Air Namibia), AJAS system (a system to report on the SAA and it alliance partners), COPS (a ticket proration system), ITP (a system to manage the staff air perks), MIS (a management tool for forecasting and reporting), SAX (a system to manage SA Express' client reward scheme), VMK (the Voyager marketing system), PNR (The purge pnr system which archive passenger ticket information to optical disk), VRS (the Voice response system which will allow Voyager and normal clients to book reservations without human intervention), ACS (Airports Company System), DIM (An electronic telex system with interfaces with Oracle). Recently the ATRAXIS Migration project.

In April 1997, I wrote a special Application for the Facilities managers to control their budgets as part of my final year thesis.

In August 1997, I automated most of the DB2 tasks using the BMC interface to Catalogue Manager, these included recovery tools, tools to grant and revoke authorities in DB2, tools to unload and reload DB2 data, and various table space and index space calculators and tools. It also wrote a program to calculate DB2 space usage in Turbo Pascal and later in PLI.

I am also part of the Voyager marketing re-write and I have already done the necessary DDL creations and space allocation information. I am currently busy setting up the new night tasks (backup, recovery etc) for the new objects.

CAREE HISTORY Continued

I have also assisted a new staff member with the upgrade of DB2 Version 5 to PUT LEVE 200110. This involved me teaching this employee how to do the SYSPAC installation and migration of the data sets to our DB2 Test System.

Currently I am working on the South African Airways account for EDS, I was also called to assist with the major recovery on the EDS Standard Bank Credit card application in December 2002.

In 2004 I migrated our current DB2 Version 5.1 system to DB2 7.1. I also was part of the TeraData project team to install and setup the New TeraData environment.

In 2005, I was part of the PEGASYS team, PEGASYS is a replacement for the Genesis system. I was also part of the Team for the new TeraData migration system. I was also part of the TeraData team to implement the Tracking system and Purge PNR warehouses. I also attended the annual TeraData Partners Conference in Orlando, Florida. I also obtain my TeraData Master Certification in October 2005 and became the third TeraData Certified Master in South Africa.

In September 2005, I attend the TeraData Partners conference in Orlando, Florida and in October 2005, I completed my TeraData Certification when I became a certified TeraData Master.

In 2006 I was responsible for the TeraData migration from QA of the Production system. I was also responsible for the Backup, Recoveries of the Entire TeraData system. We also did a Pegasus upgrade (V39) in October 2006). I also setup our Netvault backup system according to the BAR strategy for the TeraData environment.

In 2007 I was involved in various DB2 and TeraData projects including the New PNR, REVACC, SAAEDW and SAAODS systems

Currently we are planning the migration of the DB2 Z/Os subsystems at South African Airways and later in the year, we will upgrade all three our DB2 subsystems to Version 8.1.

RESPONSIBILITIES

I am responsible for two of the Relation Database environment on the South Africa Airways account, namely DB2 Mainframe, DB2 UDB on Windows NT, DB2 Connect Gateway and TeraData -

- *The management of all South African Airways' Database Systems. This includes the Oracle/DB2 Connect gateway and DB2. As well as the NCR TeraData databases.*
 - *Manage and improve the current and new DB2 and NCR TeraData structures.*
 - *DB2 /NCR TeraData and SQL performance and tuning.*
 - *Evaluation and recommend new DB2 /NCR TeraData enhancements by software vendors.*
 - *Run DB2 /NCR TeraData utilities against DB2 /NCR TeraData objects*
 - *Create DB2 /NCR TeraData structures.*
 - *DB2 /NCR TeraData backup, recovery and DRP.*
 - *Maintenance of the DB2 Distributed Data Facility*
 - *Assist system programmers with DB2 /NCR TeraData queries.*
 - *Setup and maintain current DB2 /NCR TeraData installation parameter.*
 - *DB2 /NCR TeraData software and database structures problem determination.*
 - *DB2 /NCR TeraData Database securities, authorities and privileges.*
 - *DB2 /NCR TeraData Triggers and procedures*
 - *DB2 /NCR TeraData naming standards*
 - *Local site specialist for DB2 /DB2 UDB /DB2 Connect and NCR TeraData.*
 - *Attend DB2 /NCR TeraData user group, product enhancement presentations, vendor presentations and related meetings in South Africa or abroad i.e. NCR Partners, Share, IDUG, BUG, Platinum and BMC*
 - *Schedule and evaluated current DB2/NCR TeraData training of DBA's and users and provide additional training personally, if necessary.*
 - *Liaise with consultants, users, and management and application programmers.*
 - *Install and maintain the DB2 /NCR TeraData environment and related Vendor tools.*
 - *DB2 /NCR TeraData Database design implementation.*
 - *DB2 /NCR TeraData naming standards and documentation.*
 - *DB2 Y2K maintenance, data propagation and application Testing.*
 - *Staff leave, training and Budget Planning*
 - *Writing Applications to Automate DB2 /NCR TeraData and office tasks*
 - *DB2 /NCR TeraData consultation on the various EDS South Africa accounts.*
-

PERKS / SALARY AND RESIGNATION PERIOD

Perks	<i>13th cheque, Medical Aid, 3 Free Domestic and 3 Free International Tickets, unlimited 90% rebates on SAA, Pension Fund, Fuel allowance, Car and Housing Allowance.</i>
Salary	<i>Salary on Request</i>
Resignation Period	<i>One month resignation period.</i>

REFERENCES

L. Quagliani On Request	<i>He can comment on my working ability and knowledge of relational databases as I have worked on many projects with him. He is a Senior Manager at South African Airways.</i>
G. Mc Robert On Request	<i>He can comment on my working ability and knowledge of relational databases and TeraData as I have worked on many projects with him. He is a Senior Analyst at South African Airways.</i>
John Smook On Request	<i>He can comment on my character.</i>

COURSES

<u>CODE</u>	<u>INSTITUTION</u>	<u>COURSE NAME</u>
HURON	AMD	Huron Developers Course
ATRAXIS	ATX	Lotus Notes Training
BMC/AM	BMC	Activity Monitor Training
CATMAN	BMC	Catalogue Manager Training
DB2TUN	BMC	DB2 Performance and Tuning
EU118	CSS	Fundamentals of SOLARIS 8
AS10	IBM	AS Using It Effectively
AS20	IBM	AS Introduction For Programmers
BF02	IBM	REXX for VM
BF03	IBM	VM/SP: Installation Workshop
BF05	IBM	VM/SP Problem Source Identification
BF11	IBM	VM/SP CMS Workshop
CA70	IBM	SQL Language for SQL/DS Environment
CA73	IBM	SQL/DS Data Base Administration for VM
CA76	IBM	SQL/DS Database Services Utility
CA77	IBM	SQL/DS System Administration for VM
CA78	IBM	SQL/DS Performance
CF82	IBM	DB2 for Application Programmers & Database Admin
CF89A	IBM	DB2 Application Recovery
CF89S	IBM	DB2 Data And Applications Recovery / Restart
CS1111	ICI	A study of Christian Maturity
CS1211	ICI	A study of Praise and Worship
CS1311	ICI	A study of Christian Stewardship
CS2121	ICI	New Testament Survey
CS2221	ICI	An Old Testament Survey
CS2321	ICI	A study of Hermeneutics
CS3131	ICI	A study of Bible doctrines
CS3231	ICI	A study of Salvation
CS3331	ICI	A study of the Holy Spirit
CS4141	ICI	A study of Church Ministry
CS4241	ICI	A study in Starting New Churches
CS4341	ICI	A study in Christian Education
CS5151	ICI	A study of Spiritual Gifts
CS5251	ICI	A study of Teaching and Preaching
CS5351	ICI	A study in Personal Evangelism
CS6161	ICI	A study of Christian Ethics
CS6261	ICI	A study of Christian Leadership
CS6361	ICI	A study of Christian Character
CM1172	ICI	A Study of the book of Hebrews
CM	ICI	A Study if Daniel and the Revelation
DTS	MAR	Discipleship Training School
ETC	MAR	Evangelism Training Course
CELL	MAR	Home Cell Leaders Training Course
SHP	MAR	Shepherd Training Course
CSP	MAR	Christian Services Program
SF	MAR	Spiritual Formation Program
PL	MAR	Powerful Living

COURSES Continued

<u>CODE</u>	<u>INSTITUTION</u>	<u>COURSE NAME</u>
TPB	MAR	Type B Evangelism
PER001	PER	DB2 Performance and Tuning
PQ/VB	PER	Visual Basic
PLAT	PLT	Advanced SQL/Tuning Techniques for DB2
DB2 TOOLS	PLT	PLATINUM DB2 Tools Training
100180	SAA	MVS/ESA TM: Concepts & Facilities
100331	SAA	Normalization and Optimizing Design
100333	SAA	DB2 Physical Design
100335	SAA	DB2 System Tuning: Allocating System Resources
100336	SAA	Supporting DB2 End User Access
100337	SAA	DB2 Past, Present and Future
100389	SAA	Exploring the Capabilities of DB2
10047	SAA	DB2 Application Programming
10048	SAA	DB2 (V2.2) Utilities
10232X	SAA	DB2 Operating Techniques <V2.2>
10392	SAA	Advanced LOTUS
10910	SAA	C Programming Coding Fundamentals
10911	SAA	C Programming Advanced Techniques
1322XX	SAA	MVS/SP/XA-JES2 Master Console Operation
1391XX	SAA	DB2 SQL: Data Manipulation Language <DML>
1392XX	SAA	DB2 SQL: Advanced Functions
181XX	SAA	TSO/E CLISTS
390XX	SAA	Relational Database Concepts
4505	SAA	IMS Normalization
4506	SAA	IMS Concept
4642	SAA	DL/1 Programming: Basic Techniques
4905	SAA	VM/SP CMS: Concepts & Facilities
4920	SAA	VM/SP CMS: File Manipulation
4921	SAA	CMS: Using XEDIT
5141	SAA	Numbering Systems
5145	SAA	Computing Fundamentals (Hardware & Software)
5146	SAA	Computing Fundamentals (MIS.)
5147	SAA	Computing Fundamentals (Applications & Issues)
5600	SAA	Assembler Language Programming
5610	SAA	Assembler Language Programming (Binary Inst.)
9121	SAA	Logical Data Base Design
9138	SAA	Using the IBM PC and Ps2
9159	SAA	MVS/XA: Utilities
9160	SAA	DB2/SQL: Selecting, Retrieving & Updating Data
9162	SAA	DB2/SQL: Embedded Coding
9163	SAA	DB2/QMF: Basic Report Generation
9164	SAA	DB2/QMF: Advanced Report Generation
9165	SAA	IMS/VS Basic Master Terminal Operations
9182	SAA	VM/SP: Applied Concepts & Facilities
9184	SAA	DB2 Concepts and Facilities
9185	SAA	DB2/SQL Data Definition Language

COURSES Continued

<u>CODE</u>	<u>INSTITUTION</u>	<u>COURSE NAME</u>
9186	SAA	DB2/SQL Controlling Database Privileges
9253	SAA	PC DOS
9285	SAA	Coding Basic JCL
9286	SAA	Coding Advanced JCL
9420	SAA	DBASE III
9450	SAA	LOTUS 123
9451	SAA	Word Perfect
9452	SAA	MS-ACCESS
APTASM	SAA	Advanced Programming Techniques & Assembler
ASPRAC	SAA	Practical Assembler Programming
CLIPPER	SAA	Clipper Programming
COB4001	SAA	COBOL
COMPUT1	SAA	Computer 1 - Familiarization
DOS	SAA	Disk Operating System
EXCEL	SAA	MS-EXCEL
FAD	SAA	Certificate In First Aid
LED	SAA	Leading Teams
MBR	SAA	Management by Responsibility
SAAFARI	SAA	SAAFARI Reservations Selling Procedures 1 & 2
WORD	SAA	MS-WORD
SANSSA	SAA	Teacher Training Course
MICRO	TKP	Micro Computers (Beginners)
ASK131U	TSA	Financial Accounting I
BED101R	TSA	Business Economics I
CCDP	TSA	National Certificate Computer Data Processing
DSO111A	TSA	Development Software I (Programming Design)
DSO121	TSA	Development Software I (Cobol Programming)
DSO211	TSA	Development Software II (Cobol Programming)
DSO321S	TSA	Systems Implementation
DSO331O	TSA	Development Software III - Project
INF151UE	TSA	Information Systems I
INY261S	TSA	Information Systems II
INY371D	TSA	Information Systems III - Databases
INY381P	TSA	Information Systems III - Project Management
ISM321P	TSA	Installations Management III
ITV101U	TSA	Information Technology Skills I - English Business Language, Word Processing, Spreadsheets, Databases, DOS and Windows 95.
NDIPINF	TSA	National Diploma in Information Technology
PAL161TE	TSA	TURBO PASCAL
SSO101S	TSA	System Software I
TWR	TWR	Top Ten of Everything You Need to Know about Radio
VER	VER	DB2 Applications Performance and Tuning
VER	VER	DB2 Systems Performance and Tuning
MTO	XER	XEROX 9700 Laser MTO

COURSES Continued

<u>CODE</u>	<u>INSTITUTION</u>	<u>COURSE NAME</u>
9186	SAA	DB2/SQL Controlling Database Privileges
9253	SAA	PC DOS
9285	SAA	Coding Basic JCL
WTB	WTB	Holiness in Times of Temptation
WTB	WTB	Experiencing Spiritual Break through
FDL	XER	XEROX 9700 Laser FDL Language
PDL	XER	XEROX 9700 Laser PDL Language
PPL2042E	EDSU	Performance Management for Employees
SEC2135E	EDSU	Security Fundamentals
DB22190E	EDSU	Introduction to DB2 UDB Version 6.1 Fundamentals
DB22195E	EDSU	DB2 UDB Version 6.1 Administration
MNT1115E	EDSU	Administering Windows NT Version 4 Part 1
MNT1120E	EDSU	Administering Windows NT Version 4 Part 2
PPL2051E	EDSU	The Performance Management Program for Management
PPL2052E	EDSU	Performance Management - The Different Process
TeraData	TOM	TeraData Basics
TeraData	TOM	TeraData Physical Implementation
TeraData	TOM	TeraData Basic SQL
TeraData	TOM	TeraData Application Developments
TeraData	TOM	TeraData Designer
TeraData	TOM	TeraData Utilities
TeraData	TOM	TeraData Administration
NR0-011	PRO	TeraData Certified Professional
NR0-012	PRO	TeraData Certified Implementation Specialist
NR0-015	PRO	TeraData Certified Design Architect
NR0-014	PRO	TeraData Certified Administration
NR0-016	PRO	TeraData Certified Application Development
NR0-013	PRO	TeraData Certified SQL Specialist
NCR-ACP	PRO	TeraData Advanced Certified Professional
NCR-MASTER	PRO	TeraData Certified Master

INSTITUTIONS WHERE TRAINING WAS RECEIVED

AMD	AMDHAL South Africa
ATX	ATRAXIS Africa Training
BMC	BMC, Houston, Texas, USA
CSS	CSS Holdings / SUN SOLARIS, Midrand, South Africa
EDSU	EDS University
IBM	IBM, South Africa
ICI	ICI University of Dallas, Texas, USA
MAR	Maranatha Training School
PER	PERSETEL, South Africa
PLT	PLATINUM Software, South Africa
PRO	Prometric Testing Centre - Bedfordview - Site Number SA107
SAA	South African Airways Training Centre
SAN	South African National Sunday school Association
TOM	Tom Coffing Data Warehousing
TKP	Kempton Park Technical College
TSA	Technikon South Africa
TWR	Trans World Radio Training Centre, South Africa
VER	VERHOEF Training South Africa
WTB	World Teach, Atlanta, Georgia, USA
XER	XEROX South Africa