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Systems
Design**
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Service Specification Sheet

Service Name: **Premium Uncapped ADSL**

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Description: ADSL Bandwidth Account, with dynamic IP address, for use on a Telkom ADSL service. A fixed monthly fee is payable, irrespective of bandwidth usage.

An E-Mail Box is included as a bundled service at no charge, with every Uncapped ADSL account. This is as described on the separate E-Mail Box Service Specification Sheet.

Bundled Wifi service: Users will be entitled to 1GB/month bandwidth on the "AlwaysOn" Wifi service. This service operates hotspots in many airport terminals, hotels and restaurants. For details and support see <http://www.alwayson.co.za/>

Pricing:

ZSD Service Code	Max download Speed Mbits/sec	Prices (Including VAT)		
		Payment via Debit Order	Monthly on Invoice	Annually in advance
ADSLuhd	1 Mbit/s	R209 pm	R239 pm	R2508 pa
ADSLuh2	2 Mbit/s	R375 pm	R435 pm	R4500 pa
ADSLuhc	4 Mbit/s	R479 pm	R559 pm	R5748 pa
ADSLuh6	6 Mbit/s	R699 pm	R805 pm	R8388 pa
ADSLuh8	8 Mbit/s	R1099 pm	R1265 pm	R13188 pa
ADSLuw10*	10 Mbit/s	R1395 pm	R1605 pm	R16740 pa
ADSLuhe	10 Mbit/s	R1595 pm	R1835 pm	R19140 pa
VDSLuh20	20 Mbit/s	R1995 pm	R2295 pm	R23940 pa
VDSLuh40	40 Mbit/s	R2855 pm	R3285 pm	R34260 pa

* The ADSLuw10 is a Business Specific Uncapped ADSL service and does not include any bundled wifi access. It's Fair Usage Policy allows better quality access than a ADSLuhc service. It is listed here due to its competitive pricing.

Support Information:

Usage Statistics: <http://users.isdsl.net>
SMTP Relay server: smtp-is.zsd.co.za
DNS Servers: It is recommended that the client software is used to configure DNS servers automatically. In the event that this is not possible the following DNS servers may be specified in the client configuration.
168.210.2.2, 196.14.239.2

Service Conditions:

1. Service Limitations:

- 1.1. The account is designed for use from a single location over a single ADSL line.
- 1.2. Up to two concurrent logins are allowed on this service. This is intended to ensure continuity of service if the session is interrupted and a new session is initiated, before the failed one times out. Maximum available speed will be halved while two concurrent connections are active.
- 1.3. The service is provided with a publicly addressable IP address from a predefined range. That address may change from time to time when a new ADSL session is established.

2. Service speed:

- 2.1. The above indicated speeds are the maximum download speed allowed by ZSD.
- 2.2. In order to achieve these speeds the account should be used on an ADSL line running at the same or higher speed.
- 2.3. Upload speeds will be slower as ADSL is an “asynchronous” service designed to allow download at faster speeds than uploading.
- 2.4. The upstream infrastructure is shared by multiple users. The speed of the Service will fluctuate depending the number of active users at any given moment. This will depend upon the time of day and other factors. The Customer accepts that due to this the throughput on the Service will rarely reach the maximum theoretical level.
- 2.5. Selective shaping and throttling will be applied to ensure all users enjoy a reasonable service, within the available network capacity and network load at any given time.

3. Bandwidth Usage Policy

- 3.1. ZSD will monitor the Customer's usage of the Service. ZSD will take the steps necessary to monitor usage, as determined by the nature of DSL technology. These steps include without limitation periodically terminating the Customer's ADSL session in order to take a measurement, and remotely terminating such sessions.
- 3.2. ZSD will make available to the Customer, either directly or through its partners, a website that will allow the Customer to monitor usage of the Service, but the Parties agree that this is a complimentary offering and ZSD will not be liable for any damages arising from any statement of the Customer's data usage on such website.
- 3.3. A Fair Usage Policy is applied, as described below and users cannot expect an infinite amount of bandwidth to be provided.

4. Fair Usage Policy

- 4.1. The Fair Use Policy is designed to prevent the quality of service that most users enjoy from being negatively effected by a small percentage of users who have very high usage patterns.
- 4.2. Users bandwidth usage is monitored on a 10 day rolling average basis. The policy is not tied to calendar months.
- 4.3. Most users will not experience any shaping of their bandwidth.
- 4.4. A small percentage of heavy users will have access to “peer to peer” download protocols shaped.
- 4.5. Extreme users will be subject to additional throttling and priority controls.
- 4.6. Bandwidth consumed between midnight and 6AM is excluded from the 10 day rolling average calculation. Users who schedule downloads to occur during these times will not be penalized.

5. ADSL/VDSL Line Rental and Modem Requirements:

- 5.1. The customer must rent an ADSL or VDSL line service linked to Telkom, South Africa's network in order to use this service.
- 5.2. The customer may contract for this service from ZSD via a separate service contract, or via another provider.
- 5.3. All obligations and charges of this service will remain in force, if the customer fails to obtain the above ADSL/VDSL line service, or if that service becomes unavailable. Even if that service is provided by ZSD in terms of a separate service contract.
- 5.4. The customer must also provide an ADSL or VDSL modem to use this service. This may purchased from ZSD as a separate sales transaction.
- 5.5. 20 mbit/s and 40 mbit/s services require a VDSL compatible modem or router. If an ADSL device is used line speed will be limited to a maximum 10 mbit/s.
- 5.6. Please note section 2.2 above with regards to required ADSL line speed.

6. Commercial Terms:

- 6.1. ZSD Standard Terms, including definitions and rules of interpretation contained in it will apply to this service, except where stated otherwise in this document.
- 6.2. The Service will be provided indefinitely until terminated as per the Standard Terms or as per this document.
 - 6.2.1. The service will be invoiced in whole calendar months only. No pro-rata discount of fees for initial and final periods of less than a calendar month will apply.
 - 6.2.2. The Customer must provide one calendar months notice of cancellation to discontinue the service.
- 6.3. ZSD uses an upstream Supplier to provide the Services to the Customer, and can terminate this Agreement immediately if its agreement with that upstream Supplier is terminated.
- 6.4. Payment terms are as specified in ZSD Standard Terms. However the following will apply specifically to this service:
 - 6.4.1. Different tariffs are quoted for the supply of this service on payment terms of, payment via debit order basis, payment annually, or payment on a monthly invoice.
 - 6.4.2. In the event that a debit order is returned unpaid, the service will automatically be

suspended by a computer program at the end of the calendar month in which the debit order was returned unpaid, unless the required payment as specified in ZSD's Standard Terms is received by ZSD and processed in time to allow the pending suspension to be reset.

- 6.4.3. If payment is made annually in advance, the service will be automatically suspended by computer program at the end of the pre-paid period. Payment for the subsequent year must be received at least 15 days before the end of this period to allow the pending suspension to be reset in time to ensure continuity of service.

7. Service Levels:

- 7.1. ZSD makes use of upstream providers to itself provide the Service, and consequently service levels are subject to the performance of such upstream providers.
- 7.2. Other factors may also impact the quality of the Service, including network availability, distance of the Customer's location to the local exchange, line copper quality and line sync speed limitations.
- 7.3. The Service provides access to the internet, which is subject to bandwidth constraints, system failures and all manner of other factors, out of ZSD's control, that may impact on the Customer's access.
- 7.4. As a result of the above, ZSD can only provide the Service on a "reasonable effort" basis and makes no warranties as regards quality of the Service, including data throughput and availability of the Service.

8. Support

- 8.1. The Customer will be responsible for reporting faults in the Service to ZSD.
- 8.2. ZSD will provide support for the Service during Business Hours either telephonically or as per the ZSD Website, and will resolve faults relating to the ZSD System on a reasonable effort basis.
- 8.2.1. For the avoidance of doubt, support will not include anything which is out of the reasonable control of ZSD including without limitation:
- 8.2.2. faults in the Customer's hardware such as its computer or modem;
- 8.2.3. faults with the Customer's telecommunication service provider's system or equipment; and
- 8.2.4. faults in ZSD's service providers' networks or equipment.
- 8.3. Should the fault lie with another party, ZSD will make reasonable efforts to advise that other party of the fault.
- 8.4. Should ZSD attend at the Customer's premises to repair a fault and find that the fault is not the responsibility of ZSD, it will charge the Customer at its Time and Materials Rate for the time so spent.