

Étér ©É; pÉî L à}Šîb; YPXb;  
É2002 ÉAâEp f' à Un -L r ÉtµG. Eør t\» ¼ ¼Wr  
ÉtÔÑÐN · NµM VPYr

*htér ©É; pÉî L à}Šîb; tî-; Vé*

t«é^ tlm  
É< pir 200

M' àÁ

µĪ

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### 1. L · I é!

Étér ©É! pEi L à}Šibç tí-ç\é EpEi L à}Šibç tμG· Eor EM¼I r ç  
 EpE}E aT±~ ^YĀ r EL ' \ç~ tμG· Eopý Ep' \}Er ç E¼Wr aT± ° nj  
 L \° pç EL j »° Y ^G»ç~ p· mY I t" 3 Ep\° ' à I L D}à EpEi L à}Šibç  
 tμG· Eor \À ' à MErN Étér ©É! pEi L à}Šibç YPXBç ÉtμG· Eor  
 ¼Wr tL F<wvç tŌŊDN É|š VPYr I p' \} à Éméšī μ<sup>a</sup> n ' à<sup>¼</sup> Etī-ç\é à  
 EMé| dYn \éDç t-ç\é' à I I ŠāEā EdTI' à VPYr I L μNμN EpEi L à}Šibç  
 tμG· Eor E¼Wr aT± tŌŊDN EMé| ]'' VPYr EMé| ' » L D}à EMéq' i  
 }' à:

I ŠéAā L \Tr 2002 h YPXB}à **የተላከውን** ÉAāEpf' à Un -L r  
 ÉtŌŊDN **ሪፖርት** I L μNμN ^~ ' à° îpçN EmE-Ya t<Fr IM] ' i ^ç«éAāN  
 L EŠé| L ^ŌYstç | F<sup>9</sup>Eār ç I L Efr EÙpsut' à EMēL EŠp' à t<Fr  
 VPYr M-T· ^~ Id»'' pμé ^YN± ^ç<sup>a</sup> p' \<sup>a</sup> mt' à I MT¶μ¼ EŠYŌ  
 ° î-M ^-μr EW\àç t^p" 0% |<sup>a</sup> Y¶G::

### 2. É· NμM' à tFM

Š YPXB}à I ÉUn tL pý ^Épš¶̄ EMFŠ' à VPYr I tí-ç\é' à ^ÉpμL μL  
 ' à° îpý pL G\_ E YPXB}à EMFÉI r AāEr -I'' r tFM· v tEār  
 ^}āN:-

- ÉtμG· Eopý p° gMē· v aT±' àç É° Id tμG· Eor M· , qt' à  
 MT¶μ¼ ^~ É<sup>a</sup> çI<sup>9</sup>v ^Y<q ^ç«é<sup>3/4</sup>NY M-T· }' à:
- ÉtμG· Eor ¼Wr L 3<sup>a</sup>G |¶° Mt' àç ÉtμG· Eor šYÚv E'' s  
 IM' à»r tμG· Eor \À ' à EMaa| ^YN± ^ç«é' ^- M^uG'

### 3. NμM' à Ép<Bī I r ^Gr

· NμM' à Ép<sup>a</sup>Tμ' à Étér ©É! pEi L à}Šibç YPXBç 2002 ÉAāEpf' à **ሩብ**  
**አመት** ŊFŠ' à ÉtμG· Eor ¼Wr tL F<wvç tŌŊDN É|š VPYr F''

የሚገኙትን መረጃ v ለጥቅም ላይ ማውሰድ ተገቢ ነው። ይህም ለሌሎች ሰው ጥቅም ላይ ማውሰድ ይቻላል።

4.፩. ለሌሎች ሰው ጥቅም ላይ ማውሰድ

ለሌሎች ሰው ጥቅም ላይ ማውሰድ ለሌሎች ሰው ጥቅም ላይ ማውሰድ ይቻላል።

ሌሎች ሰው ጥቅም ላይ ማውሰድ

- ገንዘብ ለሌሎች ሰው ጥቅም ላይ ማውሰድ
- ሌሎች ሰው ጥቅም ላይ ማውሰድ ለሌሎች ሰው ጥቅም ላይ ማውሰድ

5.፩. ለሌሎች ሰው ጥቅም ላይ ማውሰድ ለሌሎች ሰው ጥቅም ላይ ማውሰድ

ለሌሎች ሰው ጥቅም ላይ ማውሰድ ለሌሎች ሰው ጥቅም ላይ ማውሰድ ይቻላል።

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- ለሌሎች ሰው ጥቅም ላይ ማውሰድ ለሌሎች ሰው ጥቅም ላይ ማውሰድ
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ለሌሎች ሰው ጥቅም ላይ ማውሰድ ለሌሎች ሰው ጥቅም ላይ ማውሰድ

ለሌሎች ሰው ጥቅም ላይ ማውሰድ ለሌሎች ሰው ጥቅም ላይ ማውሰድ ይቻላል።

Table 1: **PSTN Services & Network Performance 2002EC 2<sup>nd</sup> quarter report measured values**

No.	QoS Parameters	Targets/Standards Set by ETA	1 <sup>st</sup> month measured value	2 <sup>nd</sup> month measured value	3 <sup>rd</sup> month measured value	Quarter measured values by ETC	Remarks
1	<b>Call Setup Success Rate</b>	>90%				87.11%	
2	<b>Call Setup Time</b>	<25 second for 95% of established national call				91.14%	
		<35 second for 95% of established international calls				50.18%	
3	<b>Conversational Voice quality</b>	≥ 3.0 on MOS or PESQ scale				NA	
4	<b>Fulfillment of service provision (Installation Orders)</b>						
4.1	Within 48 hours	80%				79.71%	
4.2	Within 96 hours	90%				95.29%	
4.3	Within 7 days	100%				99.77%	
5	<b>Service Restoration Performance</b>						
5.1	Within 48 hours	60%				63.78%	
5.2	Within 96 hours	90%				78.1%	
5.3	Within 7 days	100%				94.72%	
6	<b>Call Center (Operator speed of answer) Performance</b>						
6.1	Calls answered within 40 seconds	90%				98.64%	
6.2	Call answered within 60 seconds	100%				100%	
7	<b>Fault Incidence</b>	500 reports per 1000 lines				NA	Per 12 months

No.	QoS Parameters	Targets/Standards Set by ETA	1 <sup>st</sup> month measured value	2 <sup>nd</sup> month measured value	3 <sup>rd</sup> month measured value	Quarter measured values by ETC	Remarks
8	<i>Public Payphone Service Availability</i>	90%				NA	
	<b>PSTN, Mobile, Dial up and Broadband Internet Access Services</b>						
9	<b>General Customer Complaints</b>	100 complaints per 1000 Subscribers				0.002	

**Table 2: Data-com (Internet) Services & Network Performance 2002EC 2<sup>nd</sup> quarter report measured values**

No	QoS Parameters	Unit	Targeted value set by ETA	1 <sup>st</sup> month measured value	2 <sup>nd</sup> month measured value	3 <sup>rd</sup> month measured value	Quarter measured values by ETC	Remarks
1	<b>Dialup Internet Access Service</b>							
1.1	Number of Login Attempts before successful connection		Max of 3 with in 1 minute interval				98%	
1.2	Login Success	within 40 seconds	95%				97%	
1.3	Fulfillment of service provision (Installation Orders)	Fulfilled within 24 hours	80%				NA	Not included within the report
		Fulfilled within 48 hours	100%				NA	“
1.4	Service Restoration Performance	Within 48 hours	60%				NA	“
		Within 96 hours	90%				NA	“
		Within 7 days	100%				NA	“

No	QoS Parameters	Unit	Targeted value set by ETA	1 <sup>st</sup> month measured value	2 <sup>nd</sup> month measured value	3 <sup>rd</sup> month measured value	Quarter measured values by ETC	Remarks
2	<b>Broadband Internet Access</b>							
2.1	Network Latency	≤ 200 ms for local link					NA	“
		≤ 300 ms for international link					NA	“
2.2	Throughput	≥ 75% of subscribed level for 95% of the time during busy hours					NA	“No means to measure this value”
2.3	Packet Loss	≤ 1%					NA	“No means to measure this value”
2.4	Network Availability	≥ 99%					95.23%	
2.5	Fulfillment of service provision(Installation Orders)	Within 72 hours	80%				NA	
		Within 120 hours	90%				NA	
		Within 7 days	100%				NA	
2.6	Service Restoration Performance	Within 48 hours	80%				90%	
		Within 72 hours	100%				100%	

Table 3: **GSM Cellular Mobile Network Performance 2002EC 2<sup>nd</sup> quarter report measured values**

No.	QoS Parameters	Targets/Standards	1 <sup>st</sup> month measured value	2 <sup>nd</sup> month measured value	3 <sup>rd</sup> month measured value	Quarter measured values	Remarks
1	<b>Call Setup Success Rate</b>	> 98%				96.44%	
2	<b>Call Setup Time</b>	<25 second for 95% of established national calls				NA	The measured value is not provided with the report
		<35 second for 95% of established international calls				NA	“
3	<b>Dropped Call Rate</b>	<2%				0.35%	
4	<b>Handover Success Rate</b>	>95%				93.44%	
5	<b>Blocked Call Rate</b>	<2%				NA	
6	<b>SDCCH Blocking Rate</b>	< 0.5%				1.55%	
7	<b>TCH Blocking Rate</b>	< 5%				2.15%	
8	<b>Conversational Voice Quality</b>	≥ 3.0 on MOS or PESQ scale				NA	

Table 4: **PSTN, Mobile and Internet Services Billing Performance 2002EC 2<sup>nd</sup> Quarter report measured values**

No	Performance parameters (For PSTN, Mobile & Internet)  Measurement Areas	Percentage of billing complaints in any one billing period≤2%	Complaints resolved within days		Time taken to refund deposits after closure		Remarks
			15	30	By Zonal and Regional Offices (≤ 10 days)	By Head Office (≤ 15 days)	
<b>1</b>	<b>Addis Ababa</b>						
1.1	Central A.A zone	0.34%	73.62	73.62	NA	NA	
1.2	Northern A.A. zone	100%	0.115	100	»	»	
1.3	Southern A.A. zone	100%	0.0046	100	»	»	
1.4	South Western A.A. zone	100%	0.051	73.33	»	»	
1.5	Eastern A.A. zone	33.33%	0.044	-	»	»	
1.6	Western A.A. zone	100%	0.059	100	»	»	
<b>2</b>	<b>Regional</b>						
2.1	Northern Region	89.65%	89.65	89.65	»	»	
2.2	North-Eastern Region	100%	0.119	100	»	»	
2.3	Semera Region	0%	0	0	»	»	
2.4	North Western Region	0%	0	0	»	»	
2.5	Western Region	100%	0.467	51.06	»	»	
2.6	Asosa Region	100%	0.1	100	»	»	
2.7	Eastern Region	100%	0.18	100	»	»	
2.8	Jijiga Region	0	0	0	»	»	
2.9	Southern Region	0	0	0	»	»	
2.10	South south west Region	0	0	0	»	»	
2.11	South western Region	96.18%	0.684	91.98	»	»	
2.12	Gambela Region	0	0	0	»	»	
2.13	South Eastren Region	100%	0.0186	92.3	»	»	



- EJ œen ^GŒ tµG· Eør (Public Payphone service) ¼Wr :-

I]žpiN ' "N I<Y- EM\U EJ œen ^G v tµG· Eør ¼Wr ž  
 IpL EŠp tĩž\é' á E¼Wr L EŠé| Ié| ^dN¼N I YPXb}á VPYr  
 ' á¼ GŠipj tGpuEDN IŠC NÉž|r EtµG· Eør ¼Wr °T±' ž  
 EL µNN tGpuEN::

- Ep° gMē• vž i Xq EM^p~µ- tµG· Eør ¼Wr :-

Š° ž...v EMēdYIá i Xq• vž I t· mlá EM^p~µ- ^~ ngrž IpL EŠp  
 IVPYpj EdTIár L T±• v F" Ep' \}á Gα}sv Ié UN ŠEiEotj  
 EtµG· Eør šYÚv tžŃY \éqα ÉpaEá~ EMēTqpy ~t' á:

- EB]n ŒÛ| tµG· Eør ngr :-

É° ž...v Bi]n ŒÛ| tµG· Eør ngrž IpL EŠp I tĩž\é' á  
 ÉpdL °' á E¼Wr °T± I tž- EHé]n ŒÛE µēší (Billing Period)  
 ŠpšŃ° r ° i FF ŒÛ| L ° Éf|•v (Bills) ' á¼ EMēdYIá ŒÛ|  
 i Xq• v (Billing complaints) L ° ž Š2% L nE¼ EEI r N EMēG \éDž  
 Š YPXb}á ÉpFŠ' á VPYr ^ž° Mē| L EEp' á:-

- I \L W V±ž
- \Mž N~Wn V±ž
- I ±±ēŃ V±ž V±ž
- I ° Ián V±ž
- I ° Ián ° Iál N~Wn V±ž ^~
- I ŃNI íF V±ž EdTIá EHé]n ŒÛ| i Xq• v (Billing complaints)  
 L ° ž 0% \éDž IM~ŠF" i t«é^ tIm ž 0.34% }' á IŠC L \Tr  
 IAáÉpf' á Un -L r ŠF" Ip° d\ár V±ž v ' á¼ EB]n ŒÛ|  
 i Xq I »N œi pf ' "N ÉEN MEr }' á "C ' ž° ír EEiEov  
 v ^~ V³ v I tYt|}r EMēEØ }' á ::

I tžŃU °. O:-

- I \Mž t«é^ tIm ž
- I ° Ián t«é^ tIm ž
- I ° Ián N~Wn t«é^ tIm ž
- I N~Wn t«é^ tIm ž

- I \M<sub>0</sub> NRW<sub>i</sub> V±<sub>0</sub>
- I N<sup>~</sup>W<sub>n</sub> V±<sub>0</sub>
- I t<sub>-</sub>] V±<sub>0</sub>
- I NRW<sub>i</sub> T±<sub>0</sub> ^~
- I<sup>a</sup>I<sup>ā</sup>n NRW<sub>i</sub> V±<sub>0</sub> EdTI<sup>ā</sup> E<sup>U</sup> | i Xq • v (Billing complaints)  
L ° <sub>0</sub> 100% }' ā " C MEr E<sup>a</sup> <sub>0</sub> | ... v Bi]n E<sup>U</sup> | t<sub>μ</sub>G • Eor L āEā  
I L āEā I i Xq • v EpOF L D} <sub>0</sub> E Mē | ] " }' ā ::

I p<sup>3/4</sup>MV:-

- I NRW<sub>i</sub> t<sup>«</sup>^ tIm <sub>0</sub> 33.33%
- I \M<sub>0</sub> V±<sub>0</sub> 89.65% ^~
- I<sup>a</sup>I<sup>ā</sup>n N<sup>~</sup>W<sub>n</sub> V±<sub>0</sub> 96.18% }' ā I ŠēC L \Tr I S<sup>^</sup>p<sub>y</sub> V±<sub>0</sub> v ' ā<sup>1/4</sup>  
I tM<sup><</sup> " 73.0% | CG E Bi]n E<sup>U</sup> | i Xq • v (Billing complaints)  
L Wt' <sub>0</sub> ŠdTI' ā V P Yr EL T<sup><</sup>r p v FōG:

## 6.2. የቴሌኮም ኔትወርክ ብቃት:-

EpEi N }r • Y E ngr <sub>0</sub> I pL E Šp I L<sup>a</sup> I f E<sup>^</sup>G E L<sup>^</sup>L Y I tē<sub>0</sub> p Y }r ^~  
I Om " G }r ' Y E F " L T ± • v d Y I " G ::

### 6.2.1 L<sup>a</sup> I f E<sup>^</sup>G E L<sup>^</sup>L Y }r • Y E ngr /PSTN Performance/

I V P Y p<sub>y</sub> Ep μ<sup>r</sup> }r L T ± • v EL<sup>a</sup> I f E<sup>^</sup>G E L<sup>^</sup>L Y }r • Y E ngr L E Šē | }r  
Šp š<sup>°</sup> r <sub>0</sub> L<sup>^</sup>O Y s v ገ Y I ጎ I ጎ Y \ ed L ° ā ŠēC ^ <sub>0</sub> Mē Šp E' ā " μ E Ō E ā:

- E A μ Y t d Ū ^~ t E N t d Ū 1/4 V • v ^ Šir L ° <sub>0</sub> /Call setup success rate/  
I t i<sup>-</sup> <sub>0</sub> ጎ ጎ ጎ ā Šp d L ° ' ā c e i p f E }r • Y E 1/4 W r<sup>a</sup> T ± (>90%) ገ Y \ e } N D Y  
I 2.89% L ° <sub>0</sub> | } \ G ጘ }r t E' ā ŠēC t ጎ N Y \ e q " Ep μ, ' ā ' ā<sup>°</sup> ir  
t I T q v I ē D ጎ N E I E<sup>°</sup> L a a G ^ <sub>0</sub> « E I r • ጎ > I i E e' \ - " μ m G ::
- I t i<sup>-</sup> <sub>0</sub> ጎ ጎ ጎ ā I p d L ° ' ā E }r • Y E 1/4 W r<sup>a</sup> T ± L \ Tr I A μ Y t d Ū<sup>a</sup> T ±  
95% E M E D }' ā <sub>0</sub> E<sup>^</sup>G E 1/4 V E M - T. E M ē | ^ O G μ' ā E 1/4 V L L<sup>^</sup>T u μ ē Š i  
/call setup time/ Š 25 \ ጎ - | } \ \ e D ጎ I Y P X b } ā I Š ā G E d T I' ā V P Y r  
^ <sub>0</sub> M ē | L E E p' ā Š 25 \ ጎ - m } \ μ š i ' ā<sup>1/4</sup> Ep<sup>^</sup>p - μ<sup>a</sup> ' ā 91.14% }' ā  
I ŠēC L \ Tr Š 1/4 W r<sup>a</sup> T ± ' ā I 3.86% c e i n E ፀ " μ f G'

- I tī-čl'é á EpdL ° ' á }r • YÉ ¼Wr °T± 95% EMĐ}' á tEN tdÜ ¼V Š35 \ č-/call setup time/ m}\ μší ' á¼ L L RTr ' " N M-T. \éDč I YPXb)á IŠáG EdTI' á VPYr ^čªMè| L EEp' á Š35 \ č- m}\ μší ' á¼ Ep^p~μª' á 50.18% EMĐ}' á tEN tdÜ ¼V nu }' á IšéC L \Tr Š¼Wr °T±' á 144.82% œi nEø "μfG Ip¾MVN ŠL -L V|' á Un -L r °. O 14.82% E¼Wr °T±' á dč]iG'
- I LªI f E^G( E L ^L Y }r • YÉ ' á¼ č. · Y I MªT. μší EMè T' á E-NØ ¼Wr GŠír /Conversational voice quality measurement value/ IVPYpý ' á¼ p<s tGd TIN ENč ^čª«Gp<ppN I M^q' a/Remark/ tGpμEDN IšéC N(č| r E-NØ ¼Wr °T±' á EL μNN tGpuEN::

### 6.2.2 ÉtčpY}r }r • YÉ ngr

I«|GtÝ ^~ InZ-mč- tčpY}r }r • YÉ F" ŠdTI' á VPYr Epμr L T±•v Štī-čl'é á ÉtčpY}r }r • YÉ ¼Wr °T±•v ¶Y \é)NDU Ip' \)á L EŠé|' v F" pdWWIé ' á° ír }' á EpL šul' á:  
 D N IpE" EnZ-mč- tčpY}r }r • YÉ ¼Wr č EL E<r EpdL ° á L EŠé|'•v (Parameters) EN]Ei ^čª "Network Latency", "Throughput" ^~ "Packet loss" EL ]\Eár GŠiq t' á IVPYpý ' á¼ tGp<ppN ^čª N(č| r Epd\° ' á ^}„Cč EL E<r EMè^vG š- EN EMèG }' á: }μY · č ^čªMèq' d' á "Ping ^~ traceroute" EL ]\Eá r ^> vč ' "N EŠéC tμG· Eør Epš¶° \_Ür" čvč I L ° dN L E<r EMèUG I L D)á I Mè¼E' á μéší Ep¶F L T± E|š VPYr EMi Tn IéOŠY ¼U }' á:

### 6.2.3 ÉOm" G }r • YÉ ngr

ÉOm" G }r • YÉ ngr č IpL EŠp Š YPXb)á IŠáG EdTI' á VPYr E|>t' á L T±•v I tī-čl'é á Špš¶' á E¼Wr °T± ¶Y I M)NDY ^čª MšpE' á "dYmG::

- E“Call setup success rate” I tí-žúé' á ěpdL ° ' á ě¼Wr ° T± Š98% IF'' \éDž IVPYpj F'' ědTI ' á 96.44% }' á I šéC L \Tr ' ° 1.56% |CG Š¼Wr ° T± I qv L D}ž L μžšn '' uFG::
- E“call setup time” IVPYpj ' á¼ ědTI L T± ' '' N GŠír ^EEiE ě¼Wr ° T±' ž L μNμN ěTEN t dÜ ^~ ěApY ' á¼ ¼V• v ^žr ŪY\žr I Nž |CG μéš' '' ^p~μ«G ěMĚ' ž L · E0 t^tŕV '' D~G::
- E“Drop call rate” ěpdL ° ' á ě¼Wr ° T± Š2% I qv \éDž IVPYpjN ědTI ' á 0.35% }' á I šéC L \Tr ěpμ, ' á ' ° ír Š¼Wr ° T± tžŇY \éq'' tITqv }' á:
- E“Handover success rate” ěpdL ° ' á ě¼Wr ° T± Š95% IF'' \éDž IVPYpj ědTI ' á · ž 93.44% }' á ^EšéC ŠpdL ° ' á ě¼Wr ° T± ŕY \é}ŇŇY I 1.56% |CG œi nE0 '' μfG::
- E“Blocked call rate” ěpdL ° ' á ě¼Wr ° T± 2% I éDžN IVPYpj ' á¼ ědTI L T± ' '' N GŠír ^EEiE ě¼Wr ° T±' ž L μNμN tGpuEN::
- E“SDCCH Blocking rate” ěpdL ° ' á ě¼Wr ° T± Š0.5% |} \ \éDž IVPYpj ědTI ' á · ž 1.55% }' á ^EšéC ŠpdL ° ' á ě¼Wr ° T± ŕY \é}ŇŇY I 1.05% |CG œi nE0 '' μfG::
- E“TCH Blocking Rate” ěpdL ° ' á ě¼Wr ° T± Š5% I qv \éDž IVPYpjN ědTI ' á 2.15% }' á I šéC L \Tr ěpμ, ' á ' ° ír Š¼Wr ° T± tžŇY \éq'' ěpaE }' á:
- “Conversational Voice Quality” ěpdL ° ' á ě¼Wr ° T± 3.0 ^~ Ššé| IF'' I éDžN IVPYpj ' á¼ ědTI L T± ' '' N GŠír ^EEiE I Om'' G ° ž | ...v L <ŠG ěp° Tμ' ž ě-N0 ¼Wr ° T±ž L μNμN tGpuEN::

## 7. M° gE|

I 2002 I AěEpf' á Un -L r I dTI ' á VPyR L \Tr I L ° I f ě^GE L ^L Y ětμG· E0r t\»¼ ¼Wr ^~ ě}ír · YĚ ngr ° T± ŠEiE0tý ětμG· E0r šYÚv tžŇY \éq'' ěpaE I éDžN tž«ž- ětμG· E0r ¼Wr L L šf• v GŠír Š° T± I qv \éDž GŠiqt' á IVPYpj |Gp<ppj L L šf• vN tEá'

£Om" G ^~ £tēpY}r £tμG· Eør t\»¼ ¼Wr ^~ £}r· YE ngr  
I tī-ž\é' à ŠpdL ° ' à £tμG· Eør ¼Wr °T± tžŃY \ēμL μL à tž«ž- œi pf  
tŌŃDN |Ft' à L L šf· v Ié UN tž«ž- £tŌŃDN L L šf· v °. O L àEà  
I L àEà |GpEŠà I L D~t' à £tμG· Eør ¼Wr °T±t' à I šéC L ° ž t-žG  
' " N dž]óG EMER tGpuEN'

^EšéC I t° gF" I L ° I f £^GE L ^LY & I Om" G ^~ I tēpY}r  
£tμG· Eør t\»¼ ¼Wr ^~ £}r· YE ngr F" £qα ° ž <W ^~ ° <M  
μø vž I L EEr ^ž«éAàN £¼Wr L ž° G |Ń° Mt' ž £tμG· Eør šYÚv  
I MaaG ^~ ¼Wr |E' à tμG· Eør I L ^° r £° ž |...ž ^Y < q L ° ž M]°. I  
I YPXb}à i -Mē! Eé\° ' à £Mūm p· mY L Dž tEIr IMER £2002  
AàEp f' à Un -L r £pEi L à}Šibž tμG· Eør t\»¼ £¼Wr °T± tŌŃDN  
£Mē! ]É' ž VPYr I šéAà ^~° gGFEž'