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1.2 busybox 1.21.0

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1.3 curl 7.26.0

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src/audio/au_wince.c
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src/utils/cst_file_stdio.c

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src/utils/cst_mmap_posix.c
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doc/alice

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src/regex/regsub.c

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lang/usenglish/us_durz_cart.c lang/usenglish/us_durz_cart.h

```
lang/usenglish/us_int_accent_cart.c
lang/usenglish/us_int_accent_cart.h
lang/usenglish/us_int_tone_cart.c
lang/usenglish/us_int_tone_cart.h
lang/usenglish/us_phoneset.c
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src/speech/g721.c
src/speech/g72x.c
src/speech/g723_24.c
src/speech/g723_40.c
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/* Ported for Festvox by Gopala Anumachipalli gopalakr@cs.cmu.edu Sep 2012 */

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1.10 glibc 2.13

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1.11 gsoap 2.6.2

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added. The modified sections are \langle u \rangle 2.1.(b) \langle u \rangle, \langle u \rangle 2.2.(b) \langle u \rangle, \langle u \rangle 3.2 \langle u \rangle (simplified),
<u>3.5</u> (deleted the last sentence), and <u>3.6</u> (simplified).
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<h2><a name="tth sEc3">
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<dt><b>3.4. Intellectual Property Matters.<br/>
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<dt><b>(a) Third Party Claims.<br/>
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<h2><a name="tth_sEc4">
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gSOAP XML Web services tools

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```
%PDF-1.3
3 0 obj <<
/Length 2746
/Filter /FlateDecode
>>
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=/s}?W"aq\02z5FhjRM<L5B"GqpOs@"DY3b)[Q2\).1<BW[HSw,ux|C 3`4u)Tf
8^uOH1fY/qQg_O
Hq
<
Z1>wJRnFByA>T6yLT[TaP~QA7K\,jfX2D>$Klx<0x?}OM;Hr"e+QS|Hyd:sap9$BZ$Uwf07
```

```
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Xf6: m93
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[q-}M;H6+MX(6Pf)0XLi%N+_K$"w.68.@%#X=pnr|*"N7F KBY,gY ?*endstream
endobj
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/Type /Page
/Contents 3 0 R
/Resources 10R
/MediaBox [0 0 612 792]
/Parent 8 0 R
>> endobj
1 0 obj <<
/Font << /F31 5 0 R /F32 7 0 R >>
/ProcSet [ /PDF /Text ]
>> endobj
11 0 obj <<
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/Filter /FlateDecode
>>
stream
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R6\}), s8; iWm\$WN?J|[nZ4n\ 2ZLFV8*, i;DaFY6JfW5Xd\#O>0mq(gmK,yZR\_m3.EKtN\cwh\{65VJBLB\%-.s@\ McQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgmCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeNgMCQeN
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mjh89zs]F,8L!|SbBE
\42AHve
```

```
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c+,O?@/^IC\'C\rWEA&aB09\o9I\wbq+l$
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Y:|Q(<a0qQw;CDX:]y@1T2K|PV /)&)q99uV1V;xbcitd"(t?Gg|kE8L"71#3\\3du"z#Y1 ?].Sbw(9(v'pO2Fc8 Yw@x95_
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5oZ?F)i(=# KL"T t`0
4%gc$$$*h;fo@ca$JOXh8gw9cS
PRsP!e1qSD>J0Rw
rI2\%, \label{eq:rI2} $$ rI2\%, \label{eq:rI2} sy, Frwc6H < u < g1Q9Ae) C\$EA/ || \6W3i2K: \_YgK! 3 < h \sim 7\&"w] iS@hyOQ^{p} $$ rI2\%, \label{eq:rI2} $$ 
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endstream
endobj
10 \ 0 \ obj <<
/Type /Page
/Contents 11 0 R
/Resources 9 0 R
/MediaBox [0 0 612 792]
/Parent 8 0 R
>> endobj
9 0 obj <<
/Font << /F31 5 0 R /F32 7 0 R >>
/ProcSet [ /PDF /Text ]
>> endobj
14 0 obj <<
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/Filter /FlateDecode
>>
stream
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27xT<T.6\$3)kL>o~:#\cu2)xt}Qtn#\^<Fa@) "e<][d'_p"pWkwFxWkf5/*^,dq@h"!\^5v3s0R{}IB
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!\&bb-72x?\ @]NkJ}\#,\ H(/RN-5\%A)
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]*rK;(:Mbq;D8.<[mF~Cps3=R! Y@6#2C3;4K?ML^0fHc#6{A-<p"@5QA2sK:Q@3!m;GL^YJ6'M;3
jr+YBdk+g4|r*Rl.v<XwJ2|mslzly9/olF]-ywtn UYlZ~@\!`GK[
-/L6+'L}Gw O
hr{>vrm
XfHNB f"/-
Sv2_YAFE}c3?*
:]/cB
.= \log 1/\langle tD+\rangle) IV1YOirStw@L"Zh`Rb+P.J.\#T.D@\{JO`5Ja9CklARsdAY]A\#Rw0s\}iG/2MJKi]
```

```
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U()Io%',\'b
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~=Y~]."UOKLBBluqixT1(!(?@iJ#%`@:Oaa,i
WR \Cj(wRgI -02d-"Z3 G3@J6|B
.z- aYtr%+ VSXrqTo~yx
Tqg_PdeD3lDuP M>{_+x;[\MS1;!PX8hO~^\O$%endstream
endobj
13 0 obj <<
/Type /Page
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/Resources 12 0 R
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/Parent 8 0 R
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12 0 obj <<
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i%V,.8*g&pPxnaoDN&0<SBFv`(Kj ,si vSc}=Q`l_u4E#"}'0F}eUST#m>INThx`$j;(*H~
SL=.V:Ux$.?]Ji^7Fyyfp
: O lqUJr> MezUsl = !v=]O \sim qG \ of G] \\ 5xzrf  \{ \sim Sz-c
.Qh
Bfx01x1PC^N
xDp V9k%_ -# Xj#.8=1PgJ$t)f3fq{1lwXw+nPo*Rqwe+ U aSKtyn
```

```
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G"s L$C
;Ch3bS3Aj+@g\QOh@EJJGU(wFTpO(VRA)dbG3q-eI6$GY|+(XIRLa~ B~KDocA sHID`K>]#[^1s]Q/]
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c(!D=XB-L\space*TAO^:a q1 YV;';.
2X@$pbnQs1}{b8/ysKA~wH<0i`)=PH*C&51>1"AEX\TgXQ>Nc5>QaFe{Ikc~v,"o&{ .X/;&9Ll+
e,]#Oacendstream
endobj
16 0 obj <<
/Type /Page
/Contents 17 0 R
/Resources 15 0 R
/MediaBox [0 0 612 792]
/Parent 8 0 R
>> endobj
15 0 obj <<
/Font << /F31 5 0 R /F32 7 0 R >>
/ProcSet [ /PDF /Text ]
>> endobj
20 0 obj <<
/Length 2901
/Filter /FlateDecode
>>
stream
xrJ_#lHX!q$a' lpJ*3iCzhaoWw&ug_DTF4r0Gru"<a
gE90}-=Z2p2:(NytlLSK2Re(18Ei9r.M7,Sq3*Nf<@-Nj&
W[,/s'$\%&4VYQ\%< G
k(,ohqRD(BlirE;(mcm9U\&r|P)'G"O1Px6!9("7Ko8t:sE()))
XS^6H6rQ3j"LzpKpb&8*nI);;6~,-YD1r'm(ah>O`rv%Hr3?PDyT 0 8.ddI*`),[$be3hRBrl7?Jq/[ramp
b:1@1Q:fj_33:^A(0Yi,m),;IR&!!ByII5 1AI-
q6rR^!JKI5TYqi(GG[&b({~bNc6wadP9:cP#n/i)8O8k+N{\#}m>RP,qi<.>dE! N34!:8R$
I-4D=My>JK*L8(P 3y23$qIyR 5(|dXh)
op.1]'}"* p-b/ttvkg9{
Jp.= \left| \left| \left| ME0 \right| 2vf + A \right| meWm55\#T \right| Z3E/3Y[]nAw^{A}Ei6G|\$I\%?e?BG + vuc64
?Wc\OWn7oWP8y=\_U\%gutc*y\lwC\W\^h
Zl+lKzJqvWt(n 'TP0.jAPfF
yRjyzL1N < aoCmqI\%tOVTMgJ@\ZHH>Q(B!XnN^nlSZT)
)-RXV:CMN*
```

```
uk]*nt'G<h),tk9X e|YCo<;n6)@TCizUsUG`#VY e
wh: U< O=i*
8>b]a>:kX?s/TcoYX`Q=ul:MXZ{%1\jL5UyT8wXqc=;2LpfpMYjnArgkopG
+"
PUG
C h&NPjM: &\^fN+yy $ %9\VgLO++~8iHO'.$CL^{h7}FE,#+Nd1}sL47^KK{gWtpF?E$b:vv+oxw|B8zr~?J
'=2rOJ.Q&b #PHq+zXhF^j9^j@g:v]Sp6
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7mNXLwq\$N5p>q\{se>i[/V06Uhv=\}m\7_5HVJ\{0W)J-z0\.KfS<.\#t,UU\$V< pZp\)
"0G5,oZdMW>r*2]#E IpR=rlpm=0hQnendstream
endobj
 19 0 obj <<
/Type /Page
/Contents 20 0 R
/Resources 180 R
/MediaBox [0 0 612 792]
/Parent 8 0 R
>> endobj
18 0 obj <<
/Font << /F32 7 0 R /F31 5 0 R >>
/ProcSet [ /PDF /Text ]
>> endobj
23 0 obj <<
/Length 2510
/Filter /FlateDecode
>>
stream
xrH"lL9a > @HhM7@[TfeeJl]
`TEtsu 1E7ATqEb|TUJJ7rp?<rC zWL7L6no R^na*+MS0\^EWn:^#0`nf+&~4!^F;oAHHh
ltbsifYK[4m43e)ekB'uNqmb!koF%I&]"3n_*umS,JgY!2)6%dQ7QM]|AQY$e+4D):-KA64EY;ij+E]=6H&M469
8,3sAV./-&mt?l8[7+lNfM {h&/| "i*n3*M:/BRIL a&fy@ i[$Hz@){A$~KT,Yn]+f]O{9?L<Y6J
A\*q/ssUUR'4?!r "a*
dgEY4g?&`j=?yvk2`!`MBJ6y?j`]gZ"HB0 ais$x&{9sbIUVW#vvoE)H6JvsnJY%-
 \{Fate6i|Co1>7tY2"4jG/\sim1M|Ou\{r|O/?/Ny?*",8M.]haOKm)dY*gD]MG:tpepA&*q
<AA]$EYth>qTi32eJz&=pkphubhC{T;{'1sN
0L\%ER@.)S\$M@!e\@pjJ5^\;bX
58,da\&YO8>?FPjaJhq:d!u\mEGDbM
E^4vwa]e3YUwsi'T@a-q$ROF/:d"< x*l
 \label{eq:control_equation} $$ VNTkWp7yM&w(q&gYAhkzG9/~?J??Z0S+W)iU.8[j+f5$<^?5] 6WSUK<Mp)fU:{ZWpxqTTP toUY2~f]-full distributions of the control of the c
%>45j0[KC:WFe,@y%z0
Kz:,Tet{9K/G3T07,!ly
8;}XSt.ytXz&J&x1R=/l7~t>B?zF,
|X.6"BR%A'M;!g>.NgLtA~n][/O;{FO&;(jLS;fFR xp!h?|?@{>;#P44\Q|<+hC1x;(@_aLo9xG.wo&)
/t!~tMC&&Sf!&V5w{#7L9ld8Mi^w<m>$Kc"|^>^0@FF(F<v BBt`<bPc7PGWgC?0!?DBy8r,>(3x3<PggQd-
Ge:"?>$$ {0DGqcb
`s~&Wi]9C!..
Lm4
KS\&>EG8\#^ H(7S-y\{u8b=51/s/N(A^1A[
```

NaFC^Saendstream

endobj

22 0 obj <<

/Type /Page

/Contents 23 0 R

/Resources 21 0 R

/MediaBox [0 0 612 792]

/Parent 8 0 R

>> endobj

21 0 obj <<

/Font << /F31 5 0 R /F32 7 0 R >>

/ProcSet [/PDF /Text]

>> endobi

24 0 obj <<

/Type /Encoding

/Differences [0 /.notdef 1/dotaccent/fi/fl/fraction/hungarumlaut/Lslash/lslash/ogonek/ring 10/.notdef

11/breve/minus 13/.notdef 14/Zcaron/zcaron/caron/dotlessi/dotlessj/ff/ffi/ffl 22/.notdef

30/grave/quotesingle/space/exclam/quotedbl/numbersign/dollar/percent/ampersand/quoteright/parenleft/parenright/a sterisk/plus/comma/hyphen/period/slash/zero/one/two/three/four/five/six/seven/eight/nine/colon/semicolon/less/equa asciicircum/underscore/quoteleft/a/b/c/d/e/f/g/h/i/j/k/l/m/n/o/p/q/r/s/t/u/v/w/x/y/z/braceleft/bar/braceright/asciitilde

127/.notdef 128/Euro 129/.notdef

130 / quote singlbase / florin / quote dblbase / ellipsis / dagger / dagger dbl / circumflex / perthous and / Scaron / guilsing lleft / OE141/.notdef 147/quotedblleft/quotedblright/bullet/endash/emdash/tilde/trademark/scaron/guilsinglright/oe 157/.notdef 159/Ydieresis 160/.notdef

161/exclamdown/cent/sterling/currency/yen/brokenbar/section/dieresis/copyright/ordfeminine/guillemotleft/logicaln ot/hyphen/registered/macron/degree/plusminus/twosuperior/threesuperior/acute/mu/paragraph/periodcentered/cedill a/onesuperior/ordmasculine/guillemotright/onequarter/onehalf/threequarters/questiondown/Agrave/Aacute/Acircumf lex/Atilde/Adieresis/Aring/AE/Ccedilla/Egrave/Eacute/Ecircumflex/Edieresis/Igrave/Iacute/Icircumflex/Idieresis/Et h/Ntilde/Ograve/Oacute/Ocircumflex/Otilde/Odieresis/multiply/Oslash/Ugrave/Uacute/Ucircumflex/Udieresis/Yacu te/Thorn/germandbls/agrave/aacute/acircumflex/atilde/adieresis/aring/ae/ccedilla/egrave/eacute/ecircumflex/edieresi s/igrave/iacute/icircumflex/idieresis/eth/ntilde/ograve/oacute/ocircumflex/otilde/odieresis/divide/oslash/ugrave/uacut e/ucircumflex/udieresis/yacute/thorn/ydieresis]

>> endobj

7 0 obj <<

/Type /Font

/Subtype /Type1

/Encoding 24 0 R

/BaseFont /Times-Roman

>> endobj

5 0 obj <<

/Type /Font

/Subtype /Type1

/Encoding 24 0 R

/BaseFont /Times-Bold

>> endobj

8 0 obj <<

/Type /Pages

```
/Count 6
/Kids [2 0 R 10 0 R 13 0 R 16 0 R 19 0 R 22 0 R]
>> endobj
25 0 obj <<
/Type /Catalog
/Pages 8 0 R
/PTEX.Fullbanner (This is pdfTeX, Version 3.14159-1.00b-pretest-20020211)
>> endobj
26 0 obj <<
/Producer (pdfTeX-1.0-pdfcrypt)
/CreationDate (D:20031220084800)
>> endobj
xref
0 27
0000000004 65535 f
0000002937 00000 n
0000002833 00000 n
0000000009 00000 n
0000000006 00000 f
0000021200 00000 n
0000000000 00000 f
0000021111 00000 n
0000021288 00000 n
0000006116 00000 n
0000006010 00000 n
0000003016 00000 n
0000009930 00000 n
0000009823 00000 n
0000006195 00000 n
0000013278 00000 n
0000013171 00000 n
0000010010 00000 n
0000016445 00000 n
0000016338 00000 n
0000013358 00000 n
0000019221 00000 n
0000019114 00000 n
0000016525 00000 n
0000019301 00000 n
0000021380 00000 n
0000021504 00000 n
trailer
<<
/Size 27
/Root 25 0 R
/Info 26 0 R
>>
startxref
```

1.12 hostapd 2.0 :MxC-1.1C R4.0

1.12.1 Available under license:

wpa_supplicant and hostapd

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1.15 libedit 3.1

1.15.1 Available under license:

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1.16 libjpeg 6b

1.16.1 Notifications:

This software is based in part on the work of the Independent JPEG Group.

1.16.2 Available under license:

The Independent JPEG Group's JPEG software

README for release 6b of 27-Mar-1998

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Serious users of this software (particularly those incorporating it into larger programs) should contact IJG at jpeg-info@uunet.uu.net to be added to our electronic mailing list. Mailing list members are notified of updates and have a chance to participate in technical discussions, etc.

This software is the work of Tom Lane, Philip Gladstone, Jim Boucher, Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Guido Vollbeding, Ge' Weijers, and other members of the Independent JPEG Group.

IJG is not affiliated with the official ISO JPEG standards committee.

DOCUMENTATION ROADMAP

This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software. **LEGAL ISSUES** Copyright, lack of warranty, terms of distribution.

REFERENCES Where to learn more about JPEG.

ARCHIVE LOCATIONS Where to find newer versions of this software.

RELATED SOFTWARE Other stuff you should get.

FILE FORMAT WARS Software *not* to get.

TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:

install.doc How to configure and install the IJG software. usage.doc

Usage instructions for cjpeg, djpeg, jpegtran,

rdjpgcom, and wrjpgcom.

*.1 Unix-style man pages for programs (same info as usage.doc).

wizard.doc Advanced usage instructions for JPEG wizards only.

change.log Version-to-version change highlights.

Programmer and internal documentation:

libjpeg.doc How to use the JPEG library in your own programs.

example.c Sample code for calling the JPEG library.

structure.doc Overview of the JPEG library's internal structure.

filelist.doc Road map of IJG files.

coderules.doc Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW

This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images. JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images,

very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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the foregoing paragraphs do.

The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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REFERENCES

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We highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...

The best full description of JPEG is the textbook "JPEG Still Image Data Compression Standard" by William B. Pennebaker and Joan L. Mitchell, published by Van Nostrand Reinhold, 1993, ISBN 0-442-01272-1. Price US\$59.95, 638 pp. The book includes the complete text of the ISO JPEG standards (DIS 10918-1 and draft DIS 10918-2). This is by far the most complete exposition of JPEG in existence, and we highly recommend it.

The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging \$95 for Part 1 and \$47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:

Literature Department

C-Cube Microsystems, Inc.

1778 McCarthy Blvd.

Milpitas, CA 95035

phone (408) 944-6300, fax (408) 944-6314

A PostScript version of this document is available by FTP at ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from ftp.sgi.com or from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from ftp://ftp.sgi.com/graphics/tiff/.

ARCHIVE LOCATIONS

The "official" archive site for this software is ftp.uu.net (Internet address 192.48.96.9). The most recent released version can always be found there in directory graphics/jpeg. This particular version will be archived as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/. If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body

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RELATED SOFTWARE

Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/. Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from ftp://havefun.stanford.edu/pub/jpeg/. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

FILE FORMAT WARS

==========

Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we

have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

TO DO

The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

1.17 libpcap 1.9.1

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1.18 libpng 1.2.22rc1

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```
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1.20 linux 3.0.31 :MxC-1.1C R4.0

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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)

*

- * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
- * http://www.hypermall.com/
- * 10/1/97 commented out CFG_PHYIE bit we don't care when the PHY
- * interrupts us (except possibly for removal/insertion of the cable?)
- * 10/4/97 began heavy inline documentation of the code. Corrected typos
- * and spelling mistakes.
- * 10/5/97 added code to handle PHY interrupts, disable PHY on
- * loss of link, and correctly re-enable PHY when link is
- * re-established. (put back CFG_PHYIE)

*

* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

*

* R. D. Rechenmacher < ron@fnal.gov>, Aug. 6, 1997

```
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
* Implementing minimal-copy of received data:
 IDT always receives data into a small buffer, then large buffers
    as needed. This means that data must always be copied to create
   the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
   Fix is simple: make large buffers large enough to hold entire
   SDU, and leave <small buffer data> bytes empty at the start. Then
    copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
   buffers. This is done by 2 things:
     1) skb->destructor / skb->atm.recycle_buffer
        combined, allow nicstar free rx skb to be called to
        recycle large data buffers
     2) skb_clone of received buffers
  See nicstar free rx skb and linearize buffer for implementation
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```

*

* M. Welsh, 6 July 1996

*

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1.21 linux_kernel 3.10.94 :MxC-2.1 Beta1

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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

*

^{*} nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)

```
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
```

- * http://www.hypermall.com/
- * 10/1/97 commented out CFG PHYIE bit we don't care when the PHY
- * interrupts us (except possibly for removal/insertion of the cable?)
- * 10/4/97 began heavy inline documentation of the code. Corrected typos
- * and spelling mistakes.
- * 10/5/97 added code to handle PHY interrupts, disable PHY on
- * loss of link, and correctly re-enable PHY when link is
- * re-established. (put back CFG_PHYIE)

*

* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

*

* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

*

- * Linux driver for the IDT77201 NICStAR PCI ATM controller.
- * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
- * see init_nicstar() for PHY initialization to change this. This driver
- * expects the Linux ATM stack to support scatter-gather lists
- * (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.

*

- * Implementing minimal-copy of received data:
- * IDT always receives data into a small buffer, then large buffers
- * as needed. This means that data must always be copied to create
- * the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
- * Fix is simple: make large buffers large enough to hold entire
- * SDU, and leave <small_buffer_data> bytes empty at the start. Then
- * copy small buffer contents to head of large buffer.
- * Trick is to avoid fragmenting Linux, due to need for a lot of large
- * buffers. This is done by 2 things:
- * 1) skb->destructor / skb->atm.recycle_buffer
- * combined, allow nicstar_free_rx_skb to be called to
- recycle large data buffers
- * 2) skb clone of received buffers
- * See nicstar_free_rx_skb and linearize_buffer for implementation
- * details.

*

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*

* M. Welsh, 6 July 1996

*

*

*/

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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September 18, 2010

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to

permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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single nxt200x frontend driver.

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```
/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
* interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
    as needed. This means that data must always be copied to create
    the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
    Fix is simple: make large buffers large enough to hold entire
    SDU, and leave <small_buffer_data> bytes empty at the start. Then
    copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
    buffers. This is done by 2 things:
     1) skb->destructor / skb->atm.recycle_buffer
        combined, allow nicstar_free_rx_skb to be called to
        recycle large data buffers
     2) skb_clone of received buffers
  See nicstar_free_rx_skb and linearize_buffer for implementation
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*

* M. Welsh, 6 July 1996

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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)

*

- * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
- * http://www.hypermall.com/
- * 10/1/97 commented out CFG_PHYIE bit we don't care when the PHY
- * interrupts us (except possibly for removal/insertion of the cable?)
- * 10/4/97 began heavy inline documentation of the code. Corrected typos
- * and spelling mistakes.
- * 10/5/97 added code to handle PHY interrupts, disable PHY on

```
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
   as needed. This means that data must always be copied to create
   the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
   Fix is simple: make large buffers large enough to hold entire
   SDU, and leave <small_buffer_data> bytes empty at the start. Then
    copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
   buffers. This is done by 2 things:
     1) skb->destructor / skb->atm.recycle_buffer
        combined, allow nicstar free rx skb to be called to
        recycle large data buffers
     2) skb clone of received buffers
  See nicstar free rx skb and linearize buffer for implementation
    details.
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* M. Welsh, 6 July 1996

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1.23 linux_kernel 3.0.31 :MxC-2.1 Beta1

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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

*

- * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
- * http://www.hypermall.com/
- * 10/1/97 commented out CFG_PHYIE bit we don't care when the PHY
- * interrupts us (except possibly for removal/insertion of the cable?)
- * 10/4/97 began heavy inline documentation of the code. Corrected typos

^{*} nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)

```
* and spelling mistakes.
```

- * 10/5/97 added code to handle PHY interrupts, disable PHY on
- * loss of link, and correctly re-enable PHY when link is
- * re-established. (put back CFG_PHYIE)

*

* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

*

* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

*

- * Linux driver for the IDT77201 NICStAR PCI ATM controller.
- * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
- * see init_nicstar() for PHY initialization to change this. This driver
- * expects the Linux ATM stack to support scatter-gather lists
- * (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
- *
- * Implementing minimal-copy of received data:
- * IDT always receives data into a small buffer, then large buffers
- * as needed. This means that data must always be copied to create
- * the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
- * Fix is simple: make large buffers large enough to hold entire
- * SDU, and leave <small buffer data> bytes empty at the start. Then
- * copy small buffer contents to head of large buffer.
- * Trick is to avoid fragmenting Linux, due to need for a lot of large
- * buffers. This is done by 2 things:
- * 1) skb->destructor / skb->atm.recycle_buffer
- * combined, allow nicstar free rx skb to be called to
- * recycle large data buffers
- * 2) skb_clone of received buffers
- * See nicstar_free_rx_skb and linearize_buffer for implementation
- * details.

*

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*

* M. Welsh, 6 July 1996

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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QLogic Linux Networking HBA Driver

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(If you think you should be in this list, but you are not, drop a line to the DVB mailing list)

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```
/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
```

* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)

*

- * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
- * http://www.hypermall.com/
- * 10/1/97 commented out CFG_PHYIE bit we don't care when the PHY
- * interrupts us (except possibly for removal/insertion of the cable?)
- * 10/4/97 began heavy inline documentation of the code. Corrected typos
- * and spelling mistakes.
- * 10/5/97 added code to handle PHY interrupts, disable PHY on
- * loss of link, and correctly re-enable PHY when link is
- * re-established. (put back CFG_PHYIE)

*

* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

*

* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

*

- * Linux driver for the IDT77201 NICStAR PCI ATM controller.
- * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
- * see init_nicstar() for PHY initialization to change this. This driver
- * expects the Linux ATM stack to support scatter-gather lists
- * (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.

*

- * Implementing minimal-copy of received data:
- * IDT always receives data into a small buffer, then large buffers
- * as needed. This means that data must always be copied to create
- * the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
- * Fix is simple: make large buffers large enough to hold entire
- * SDU, and leave <small_buffer_data> bytes empty at the start. Then
- * copy small buffer contents to head of large buffer.

```
Trick is to avoid fragmenting Linux, due to need for a lot of large
   buffers. This is done by 2 things:
     1) skb->destructor / skb->atm.recycle_buffer
        combined, allow nicstar_free_rx_skb to be called to
        recycle large data buffers
     2) skb_clone of received buffers
  See nicstar free rx skb and linearize buffer for implementation
    details.
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```

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* M. Welsh, 6 July 1996

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Version 1.1

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- 27. [29]Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original author)
- 28. [30]Frank Kardel [31]kardel (at) ntp (dot) org> PARSE <GENERIC> (driver 14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup, dynamic interface handling
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- 48. [52]Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory
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- 58. [62]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
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Version 2.1, February 1999

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1.34 qt 4.8.5 :4.3

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Agreement version 1.5.2

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Each party acknowledges that during the Initial Term of this Agreement it shall have access to information about the other party's business, business methods, business plans, customers, business relations, technology, and other information, including the terms of this Agreement, that is confidential and of great value to the other party, and the value of which would be significantly reduced if disclosed to third parties (the "Confidential Information"). Accordingly, when a party (the "Receiving Party") receives Confidential Information from another party (the "Disclosing Party"), the Receiving Party shall, and shall obligate its employees and agents and employees and

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"Confidential Information" shall not include information that (a) is or becomes generally known to the public through no act or omission of the Receiving Party; (b) was in the Receiving Party's lawful possession prior to the disclosure hereunder and was not subject to limitations on disclosure or use; (c) is developed by employees of the Receiving Party or other persons working for the Receiving Party who have not had access to the Confidential Information of the Disclosing Party, as proven by the written records of the Receiving Party or by persons who have not had access to the Confidential Information of the Disclosing Party as proven by the written records of the Receiving Party; (d) is lawfully disclosed to the Receiving Party without restrictions, by a third party not under an obligation of confidentiality; or (e) the Receiving Party is legally compelled to disclose the information, in which case the Receiving Party shall assert the privileged and confidential nature of the information and cooperate fully with the Disclosing Party to protect against and prevent disclosure of any Confidential Information and to limit the scope of disclosure and the dissemination of disclosed Confidential Information by all legally available means.

The obligations of the Receiving Party under this Section shall continue during the Initial Term and for a period of five (5) years after expiration or termination of this Agreement. To the extent that the terms of the Non-Disclosure Agreement between Digia and Licensee conflict with the terms of this Section 12, this Section 12 shall be controlling over the terms of the Non-Disclosure Agreement.

13. GENERAL PROVISIONS

13.1. Marketing

Digia may include Licensee's company name and logo in a publicly available list of Digia customers and in its public communications.

13.2. No Assignment

Licensee shall not be entitled to assign or transfer all or any of its rights, benefits and obligations under this Agreement without the prior written consent of Digia, which shall not be unreasonably withheld. Digia shall be entitled to assign or transfer any of its rights, benefits or obligations under this Agreement on an unrestricted basis.

13.3. Termination

Digia may terminate the Agreement at any time immediately upon written notice by Digia to Licensee if Licensee breaches this Agreement.

Either party shall have the right to terminate this Agreement immediately upon written notice in the event that the other party becomes insolvent, files for any form of bankruptcy, makes any assignment for the benefit of creditors, has a receiver, administrative receiver or officer appointed over the whole or a substantial part of its assets, ceases to conduct business, or an act equivalent to any of the above occurs under the laws of the jurisdiction of the other party.

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Any terms and conditions that by their nature or otherwise reasonably should survive a cancellation or termination of this Agreement shall also be deemed to survive. Such terms and conditions include, but are not limited to the following Sections 2, 5.1, 6, 7, 8(iii), 10, 12, 13.5, 13.6, 13.9, 13.10, and 13.11 shall survive the termination of the Agreement. Notwithstanding the foregoing, Sections 5.1 shall not survive if the Agreement is terminated for material breach.

13.5. Entire Agreement

This Agreement constitutes the complete agreement between the parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein, with the exception of the non-disclosure agreement executed by the parties in connection with this Agreement ("Non-Disclosure Agreement"), if any, shall be subject to Section 12. No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each party. No term or condition contained in Licensee's purchase order shall apply unless expressly accepted by Digia in writing. If any provision of the Agreement is found void or unenforceable, the remainder shall remain valid and enforceable according to its terms. If any remedy provided is determined to have failed for its essential purpose, all limitations of liability and exclusions of damages set forth in this Agreement shall remain in effect.

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If credit has been extended to Licensee by Digia, all payments under this Agreement are due within thirty (30) days of the date Digia mails its invoice to Licensee. If Digia has not extended credit to Licensee, Licensee shall be required to make payment concurrent with the delivery of the Licensed Software by Digia. All amounts payable are gross amounts but exclusive of any value added tax, use tax, sales tax or similar tax. Licensee shall be entitled to withhold from payments any applicable withholding taxes and comply with all applicable tax and employment legislation. Each party shall pay all taxes (including, but not limited to, taxes based upon its income) or levies imposed on it under applicable laws, regulations and tax treaties as a result of this Agreement and any payments made hereunder (including those required to be withheld or deducted from payments). Each party shall furnish evidence of such paid taxes as is sufficient to enable the other party to obtain any credits available to it, including original withholding tax certificates.

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Neither party shall be liable to the other for any delay or non-performance of its obligations hereunder other than the obligation of paying the license fees in the event and to the extent that such delay or non-performance is due to an event of Force Majeure (as defined below). If any event of Force Majeure results in a delay or non-performance of a party for a period of three (3) months or longer, then either party shall have the right to terminate this Agreement with immediate effect without any liability (except for the obligations of payment arising prior to the event of Force Majeure) towards the other party. A "Force Majeure" event shall mean an act of God, terrorist attack or other catastrophic event of nature that prevents either party for fulfilling its obligations under this Agreement.

13.8. Notices

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circumstances, be liable for special damages, punitive or exemplary damages, damages for loss of profits or interruption of business or for loss or corruption of data. Any award of damages from Digia to Licensee shall not exceed the total amount Licensee has paid to Digia in connection with this Agreement.

11. SUPPORT AND UPDATES

Licensee will be eligible to receive Support and Updates during the Initial Term, in accordance with Digia's then current policies and procedures, if any. Such policies and procedures may be changed from time to time. Following the Initial Term, Digia shall no longer make the Licensed Software available to Licensee unless Licensee purchases additional Support and Updates according to this Section 11 below.

Licensee may purchase additional Support and Updates following the Initial Term at Digia's terms and conditions applicable at the time of renewal.

12. CONFIDENTIALITY

Each party acknowledges that during the Initial Term of this Agreement it shall have access to information about the other party's business, business methods, business plans, customers, business relations, technology, and other information, including the terms of this Agreement, that is confidential and of great value to the other party, and the value of which would be significantly reduced if disclosed to third parties (the "Confidential Information"). Accordingly, when a party (the "Receiving Party") receives Confidential Information from another party (the "Disclosing Party"), the Receiving Party shall, and shall obligate its employees and agents and employees and agents of its affiliates to: (i) maintain the Confidential Information in strict confidence; (ii) not disclose the Confidential Information to a third party without the Disclosing Party's prior written approval; and (iii) not, directly or indirectly, use the Confidential Information for any purpose other than for exercising its rights and fulfilling its responsibilities pursuant to this Agreement. Each party shall take reasonable measures to protect the Confidential Information of the other party, which measures shall not be less than the measures taken by such party to protect its own confidential and proprietary information.

"Confidential Information" shall not include information that (a) is or becomes generally known to the public through no act or omission of the Receiving Party; (b) was in the Receiving Party's lawful possession prior to the disclosure hereunder and was not subject to limitations on disclosure or use; (c) is developed by employees of the Receiving Party or other persons working for the Receiving Party who have not had access to the Confidential Information of the Disclosing Party, as proven by the written records of the Receiving Party or by persons who have not had access to the Confidential Information of the Disclosing Party as proven by the written records of the Receiving Party; (d) is lawfully disclosed to the Receiving Party without restrictions, by a third party not under an obligation of confidentiality; or (e) the Receiving Party is legally compelled to disclose the information, in which case the Receiving Party shall assert the privileged and confidential nature of the information and cooperate fully with the Disclosing Party to protect against and prevent disclosure of any Confidential Information and to limit the scope of disclosure and the dissemination of disclosed Confidential Information by all legally available means.

The obligations of the Receiving Party under this Section shall continue during the Initial Term and for a period of five (5) years after expiration or termination of this Agreement. To the extent that the terms of the Non-Disclosure Agreement between Digia and Licensee conflict with the terms of this Section 12, this Section 12 shall be

controlling over the terms of the Non-Disclosure Agreement.

13. GENERAL PROVISIONS

13.1. Marketing

Digia may include Licensee's company name and logo in a publicly available list of Digia customers and in its public communications.

13.2. No Assignment

Licensee shall not be entitled to assign or transfer all or any of its rights, benefits and obligations under this Agreement without the prior written consent of Digia, which shall not be unreasonably withheld. Digia shall be entitled to assign or transfer any of its rights, benefits or obligations under this Agreement on an unrestricted basis.

13.3. Termination

Digia may terminate the Agreement at any time immediately upon written notice by Digia to Licensee if Licensee breaches this Agreement.

Either party shall have the right to terminate this Agreement immediately upon written notice in the event that the other party becomes insolvent, files for any form of bankruptcy, makes any assignment for the benefit of creditors, has a receiver, administrative receiver or officer appointed over the whole or a substantial part of its assets, ceases to conduct business, or an act equivalent to any of the above occurs under the laws of the jurisdiction of the other party.

Upon termination of the Licenses, Licensee shall return to Digia all copies of Licensed Software that were supplied by Digia. All other copies of Licensed Software in the possession or control of Licensee must be erased or destroyed. An officer of Licensee must promptly deliver to Digia a written confirmation that this has occurred.

13.4. Surviving Sections

Any terms and conditions that by their nature or otherwise reasonably should survive a cancellation or termination of this Agreement shall also be deemed to survive. Such terms and conditions include, but are not limited to the following Sections 2, 5.1, 6, 7, 8(iii), 10, 12, 13.5, 13.6, 13.9, 13.10, and 13.11 shall survive the termination of the Agreement. Notwithstanding the foregoing, Sections 5.1 shall not survive if the Agreement is terminated for material breach.

13.5. Entire Agreement

This Agreement constitutes the complete agreement between the parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein, with the exception of the non-disclosure agreement executed by the parties in connection with this Agreement ("Non-Disclosure Agreement"), if any, shall be subject to Section 12. No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each party. No term or condition contained in Licensee's purchase order shall apply unless expressly accepted by Digia in writing. If any provision of the Agreement is found void or unenforceable, the remainder shall remain valid and enforceable according to its terms. If any remedy provided is determined to have failed for its essential purpose, all limitations of liability and exclusions of damages set forth in this Agreement shall remain in effect.

13.6. Payment and Taxes

If credit has been extended to Licensee by Digia, all payments under this Agreement are due within thirty (30) days of the date Digia mails its invoice to Licensee. If Digia has not extended credit to Licensee, Licensee shall be required to make payment concurrent with the delivery of the Licensed Software by Digia. All amounts payable are gross amounts but exclusive of any value added tax, use tax, sales tax or similar tax. Licensee shall be entitled to withhold from payments any applicable withholding taxes and comply with all applicable tax and employment legislation. Each party shall pay all taxes (including, but not limited to, taxes based upon its income) or levies imposed on it under applicable laws, regulations and tax treaties as a result of this Agreement and any payments made hereunder (including those required to be withheld or deducted from payments). Each party shall furnish evidence of such paid taxes as is sufficient to enable the other party to obtain any credits available to it, including original withholding tax certificates.

13.7. Force Majeure

Neither party shall be liable to the other for any delay or non-performance of its obligations hereunder other than the obligation of paying the license fees in the event and to the extent that such delay or non-performance is due to an event of Force Majeure (as defined below). If any event of Force Majeure results in a delay or non-performance of a party for a period of three (3) months or longer, then either party shall have the right to terminate this Agreement with immediate effect without any liability (except for the obligations of payment arising prior to the event of Force Majeure) towards the other party. A "Force Majeure" event shall mean an act of God, terrorist attack or other catastrophic event of nature that prevents either party for fulfilling its obligations under this Agreement.

13.8. Notices

Any notice given by one party to the other shall be deemed properly given and deemed received if specifically acknowledged by the receiving party in writing or when successfully delivered to the recipient by hand, fax, or special courier during normal business hours on a business day to the addresses specified below. Each communication and document made or delivered by one party to the other party pursuant to this Agreement shall be in the English language or accompanied by a translation thereof.

Notices to Digia shall be given to:

Digia Finland Ltd

Attn: Qt / Legal

Valimotie 21

FI-00380 Helsinki

Finland

Fax: +358 10 313 3700

13.9. Export Control

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13.10. Governing Law and Legal Venue:

This Agreement shall be construed and interpreted in accordance with the laws of Finland, excluding its choice of law provisions. Any disputes, controversy or claim arising out of or relating to this Agreement, or the breach, termination or validity thereof shall be shall be finally settled by arbitration in accordance with the Arbitration Rules of the Central Chamber of Commerce of Finland. The arbitration tribunal shall consist of one (1), or if either Party so requires, of three (3), arbitrators. The award shall be final and binding and enforceable in any court of competent jurisdiction. The arbitration shall be held in Helsinki, Finland and the process shall be conducted in the English language

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Agreement version 2.0

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"Affiliate" of a Party shall mean an entity (i) which is directly or indirectly controlling such Party; (ii) which is under the same direct or indirect ownership or control as such Party; or (iii) which is directly or indirectly owned or controlled by such Party. For these purposes, an entity shall be treated as being controlled by another if that other entity has fifty percent (50 %) or more of the votes in such entity, is able to direct its affairs and/or to control the composition of its board of directors or equivalent body.

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"Confidential Information" shall not include information that (a) is or becomes generally known to the public through no act or omission of the Receiving Party; (b) was in the Receiving Party's lawful possession prior to the disclosure hereunder and was not subject to limitations on disclosure or use; (c) is developed by the Receiving Party without access to the Confidential Information of the Disclosing Party or by persons who have not had access to the Confidential Information of the Disclosing Party as proven by the written records of the Receiving Party; (d) is lawfully disclosed to the Receiving Party without restrictions, by a third party not under an obligation of confidentiality; or (e) the Receiving Party is legally compelled to disclose the information, in which case the Receiving Party shall assert the privileged and confidential nature of the information and cooperate fully with the Disclosing Party to protect against and prevent disclosure of any Confidential Information and to limit the scope of disclosure and the dissemination of disclosed Confidential Information by all legally available means.

The obligations of the Receiving Party under this Section shall continue during the Initial Term and for a period of five (5) years after expiration or termination of this Agreement. To the extent that the terms of the Non-Disclosure Agreement between Digia and Licensee conflict with the terms of this Section 8, this Section 8 shall be controlling over the terms of the Non-Disclosure Agreement.

9. GENERAL PROVISIONS

9.1. No Assignment

Licensee shall not be entitled to assign or transfer all or any of its rights, benefits and obligations under this Agreement without the prior written consent of Digia, which shall not be unreasonably withheld.

9.2. Termination

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Any terms and conditions that by their nature or otherwise reasonably should survive a cancellation or termination of this Agreement shall also be deemed to survive. Such terms and conditions include, but are not limited to the following Sections: 2, 5, 6, 7, 8, 9.2, 9.3, 9.4, 9.5, 9.6, 9.7, and 9.8 of this Agreement.

9.4. Entire Agreement

This Agreement constitutes the complete agreement between the parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein, with the exception of the non-disclosure agreement executed by the parties in connection with this Agreement ("Non-Disclosure Agreement"), if any, shall be subject to Section 8. No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each party. No term or condition contained in Licensee's purchase order shall apply unless expressly accepted by Digia in writing. If any provision of the Agreement is found void or unenforceable, the remainder shall remain valid and enforceable according to its terms. If any remedy provided is determined to have failed for its essential purpose, all limitations of liability and exclusions of damages set forth in this Agreement shall remain in effect.

9.5. Export Control

Licensee acknowledges that the Licensed Software may be subject to export control restrictions of various countries. Licensee shall fully comply with all applicable export license restrictions and requirements as well as with all laws and regulations relating to the importation of the Licensed Software and shall procure all necessary governmental authorizations, including without limitation, all necessary licenses, approvals, permissions or consents, where necessary for the re-exportation of the Licensed Software.,

9.6. Governing Law and Legal Venue

This Agreement shall be construed and interpreted in accordance with the laws of Finland, excluding its choice of law provisions. Any disputes arising out of or relating to this Agreement shall be resolved in arbitration under the Rules of Arbitration of the Chamber of Commerce of Helsinki, Finland. The arbitration tribunal shall consist of one (1), or if either Party so requires, of three (3), arbitrators. The award shall be final and binding and enforceable in any court of competent jurisdiction. The arbitration shall be held in Helsinki, Finland and the process shall be conducted in the English language.

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Version 2.1, February 1999

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13.5 Entire Agreement

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13. GENERAL PROVISIONS

13.1 Marketing

Digia may include Licensee's company name and logo in a publicly available list of Digia customers and in its public communications.

13.2 No Assignment

Licensee shall not be entitled to assign or transfer all or any of its rights, benefits and obligations under this Agreement without the prior written consent of Digia, which shall not be unreasonably withheld. Digia shall be entitled to assign or transfer any of its rights, benefits or obligations under this Agreement on an unrestricted basis.

13.3 Termination

Digia may terminate the Agreement at any time immediately upon written notice by Digia to Licensee if Licensee breaches this Agreement.

Either party shall have the right to terminate this Agreement immediately upon written notice in the event that the other party becomes insolvent, files for any form of bankruptcy, makes any assignment for the benefit of creditors, has a receiver, administrative receiver or officer appointed over the whole or a substantial part of its assets, ceases to conduct business, or an act equivalent to any of the above occurs under the laws of the jurisdiction of the other party.

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Any terms and conditions that by their nature or otherwise reasonably should survive a cancellation or termination of this Agreement shall also be deemed to survive. Such terms and conditions include, but are not limited to the following Sections 2, 5.1, 6, 7, 8(iii), 10, 12, 13.5, 13.6, 13.9, 13.10, and 13.11 shall survive the termination of the Agreement. Notwithstanding the foregoing, Section 5.1 shall not survive if the Agreement is terminated for material breach.

13.5 Entire Agreement

This Agreement constitutes the complete agreement between the parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein, with the exception of the non-disclosure agreement executed by the parties in connection with this Agreement ("Non-Disclosure Agreement"), if any, shall be subject to Section 12. No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each party. No term or condition contained in Licensee's purchase order shall apply unless expressly accepted by Digia in writing. If any provision of the Agreement is found void or unenforceable, the remainder shall remain valid and enforceable according to its terms. If any remedy provided is determined to have failed for its essential purpose, all limitations of liability and exclusions of damages set forth in this Agreement shall remain in effect.

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13.7 Force Majeure

Neither party shall be liable to the other for any delay or non-performance of its obligations hereunder other than the obligation of paying the license fees in the event and to the extent that such delay or non-performance is due to an

event of Force Majeure (as defined below). If any event of Force Majeure results in a delay or non-performance of a party for a period of three (3) months or longer, then either party shall have the right to terminate this Agreement with immediate effect without any liability (except for the obligations of payment arising prior to the event of Force Majeure) towards the other party. A "Force Majeure" event shall mean an act of God, terrorist attack or other catastrophic event of nature that prevents either party for fulfilling its obligations under this Agreement.

13.8 Notices

Any notice given by one party to the other shall be deemed properly given and deemed received if specifically acknowledged by the receiving party in writing or when successfully delivered to the recipient by hand, fax, or special courier during normal business hours on a business day to the addresses specified below. Each communication and document made or delivered by one party to the other party pursuant to this Agreement shall be in the English language or accompanied by a translation thereof.

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Suite 1020

Santa Clara, CA 95054

U.S.A.

Fax: + 1 408 433 9360

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Appendix 1

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This is JavaScriptCore's variant of the PCRE library. While this library started out as a copy of PCRE, many of the features of PCRE have been

removed.

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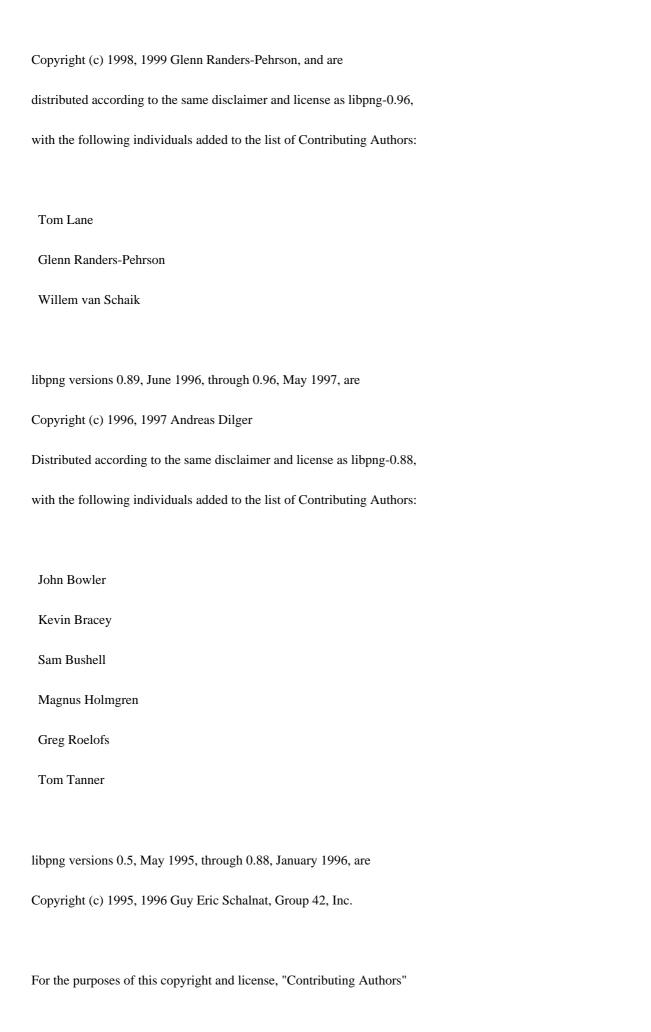
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2006-Jan-27

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David Turner, Robert Wilhelm, and Werner Lemberg

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=========

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                                            * */
* */
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/* * Parts of this software have been adapted from the libpng package.
/* * Although this library supports all features from the PNG specification * */
/* * (as MNG descends from it) it does not require the libpng package.
/* * It does require the zlib library and optionally the IJG jpeg library, * */
/* * and/or the "little-cms" library by Marti Maria (depending on the
/* * inclusion of support for JNG and Full-Color-Management respectively. * */
/* *
/* * This library's function is primarily to read and display MNG
/* * animations. It is not meant as a full-featured image-editing
/* * component! It does however offer creation and editing functionality * */
/* * at the chunk level.
                                                 * */
/* * (future modifications may include some more support for creation
/* * and or editing)
/* *
                                            * */
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3. Are derivative works allowed?

Yes!

4. Can I change or add to the font(s)?

Yes, but you must change the name(s) of the font(s).

5. Under what terms are derivative works allowed?

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6. If I have improvements for Bitstream Vera, is it possible they might get adopted in future versions?

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7. I want to sell a software package that uses these fonts: Can I do so?

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8. If applications have built the names "Bitstream Vera" into them, can I override this somehow to use fonts of my choosing?

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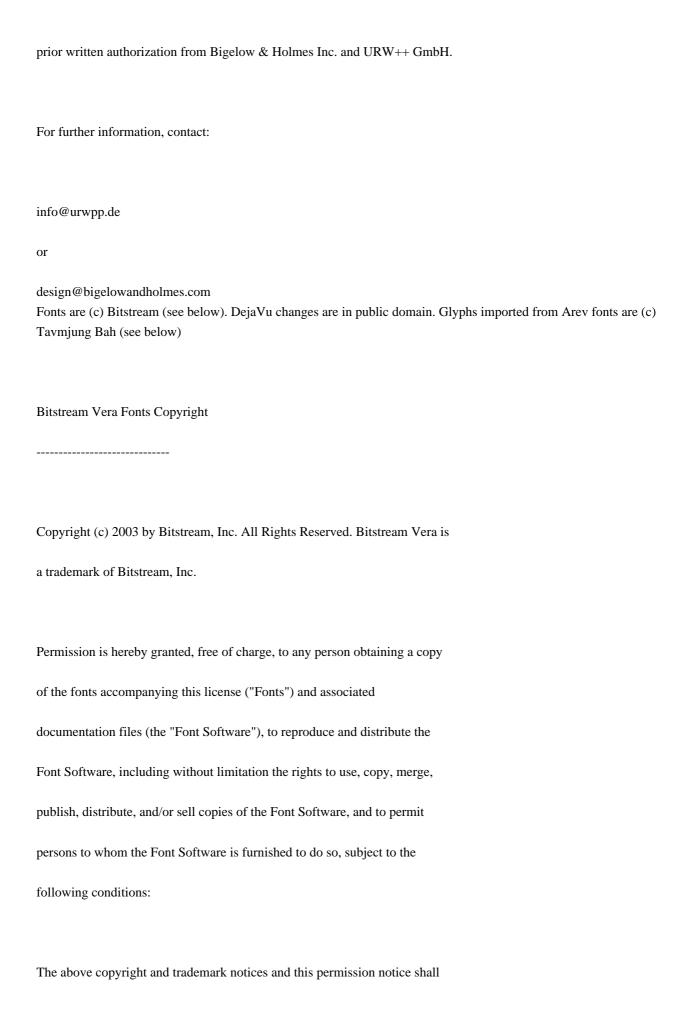
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Digia may terminate the Agreement at any time immediately upon written notice by Digia to Licensee if Licensee breaches this Agreement.

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13.5 Entire Agreement

This Agreement constitutes the complete agreement between the parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein, with the exception of the non-disclosure agreement executed by the parties in connection with this Agreement ("Non-Disclosure Agreement"), if any, shall be subject to Section 12. No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each party. No term or condition contained in Licensee's purchase order shall apply unless expressly accepted by Digia in writing. If any provision of the Agreement is found void or unenforceable, the remainder shall remain valid and enforceable according to its terms. If any remedy provided is determined to have failed for its essential purpose, all limitations of liability and exclusions of damages set forth in this Agreement shall remain in effect.

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13.8 Notices

Any notice given by one party to the other shall be deemed properly given and deemed received if specifically

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Attn: Qt Commercial

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Fax: +358 10 313 3700

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be optional: if the application does not supply it, the square root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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If distribution of object code is made by offering access to copy

from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License.

Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not.

Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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- c) Accompany the work with a written offer, valid for at

least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you

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13.5 Entire Agreement

This Agreement constitutes the complete agreement between the parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein, with the exception of the non-disclosure agreement executed by the parties in connection with this Agreement ("Non-Disclosure Agreement"), if any, shall be subject to Section 12. No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each party. No term or condition contained in Licensee's purchase order shall apply unless expressly accepted by Digia in writing. If any provision of the Agreement is found void or unenforceable, the remainder shall remain valid and enforceable according to its terms. If any remedy provided is determined to have failed for its essential purpose, all limitations of liability and exclusions of damages set forth in this Agreement shall remain in effect.

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Appendix 1

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- The Licensed Software's help tool in object code/executable form ("Qt Assistant")
- The Licensed Software's internationalization tools in object code/executable form ("Qt Linguist", "lupdate", "lrelease")
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1.36 squashfs n/a

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1.38 tcpdump 4.9.3

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1.39 uboot 2011.06bcm2 :MxC-1.1C R4.0

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the

library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy

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1.43 xinetd 2.3.15

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