



6RXWK 'DNRWD Y :D\IDLU



H-RXUQDO RI 7D[ 5HVHDUFK

(',7256

3URIHVVRU -RKQ 7D\ORF 6FKRRO RI 7D[DWLRQ %XVLQHVV /DZ

3URIHVVRU %LQK 7UDQ6FIDFRO RI 7D[DWLRQ %XVLQHVV /DZ

\$662&,\$7( ('725

'U \$OH[DQGUD (YDQV 6FKRRO RI 7D[DWLRQ %XVLQHVV /DZ

352'8&7,21 ('725

'U 3HWHU 0HOORU 6FKRRO RI 7D[DWLRQ %XVLQHVV /DZ

(',725,\$/ %2\$5'

3URIHVVRU 5RELQ %RDGZHDSDUWPHQW RI (FRQRPLFV 4XHHQV

3URIHVVRU &\QWKLD &ROOHJH UUVLW\ RI 6\GQH\ %XVLQHVV 6FK

3URIHVVRU \*UDHPH &RRS)HDFXOW\ RI /DZ 8QLYHUVLW\ RI 6\GQH

3URIHVVRU 5REHUW 'HXW6FKRRO RI 7D[DWLRQ %XVLQHVV /DZ

3URIHVVRU &KULV (YDQV6FKRRO RI 7D[DWLRQ %XVLQHVV /DZ

3URIHVVRU -XGLWK )UHH)DFXOW\ RI /DZ 8QLYHUVLW\ RI 2[IRU

3URIHVVRU 0DOFROP \*DPEKHUPEHUV RI /RUG \*UDELQHU 4& /RQ

3URIHVVRU -RKQ +DVVHOSDLOH &ROOHJH RI %XVLQHVV DQG (FR  
1HZ +DPSVKLUH

3URIHVVRU -H\SDODQ .DVKSRRODL %XVLQHVV 0RQDVK 8QLYH

3URIHVVRU 5LFN .UHYHU/DZ 6FKRRO 8QLYHUVLW\ RI :HVWHUQ

3URIHVVRU &KDUOHV 0F/XRHYHU ,QVWLWXWLRQ 6WDQIRUG 8Q

3URIHVVRU 'DOH 3LQWR &XUWLQ %XVLQHVV 6FKRRO &XUWLQ

3URIHVVRU -RKQ 3UHEEO)HDFXOW\ RI /DZ 9LFWRULD 8QLYHUVL

3URIHVVRU \$GULDQ 6DZ\8ROOHJH RI %XVLQHVV DQG /DZ 8QLY

3URIHVVRU -RHO 6OHPURGWHSKHQ 0 5RVV 6FKRRO RI %XVLQH

3URIHVVRU -HIIUH\ :DLQ)DFXOW\ RI /DZ 0RQDVK 8QLYHUVLW\

3URIHVVRU 1HLO :DUUHQ6FKRRO RI 7D[DWLRQ %XVLQHVV /DZ

3URIHVVRU 5RELQ :RHOQ6FKRRO RI 7D[DWLRQ %XVLQHVV /DZ

H-RXUQDO RI 7D[ 5HVH DUFK

38%/,6+(5

7KH 6FKRRO RI 7D[DWLRQ %XVLQHVV /DZ \$WD[ LV SDUW RI W  
:H DUH WKH ODUJHVW WD[ VFKRRO LQ DQ\ XQLYHUVLW\ LQ \$XV  
VWDII ZLWK EDFNJURXQGV LQ ODZ FRPPHUFH WD[ DFFRXQW  
WRZDUGV EXLOGLQJ H[FHOOHQFH LQ WKH WD[ SURIHVVLRQ O  
SHUVSHFWLYH

(',72561127(

7KH-RXUQDO RI 7D[ ~~BHMHDUFK~~IG MRXUQDO WKDW SXEOLVKHV RU  
RI WD[DWLRQ ,W DLPV WR SURPRWH WLPHO\ GLVVHPLQDWLRQ  
LVVXH IURP ERWK WKHRUHWLFDO DQG SUDFWLFDO SHUVSHFW  
SUDFWLWLRLQHUV DGPLQLVWUDWRUV MXGJHV DQG SROLF\ PD  
RI WD[DWLRQ 7KH MRXUQDO HPSKDVLVHV WKH LQWHUGLVFLS

68%0,66,21 2\$,\*,1\$/ 0\$7(5,\$/

6XEPLVVLRQ RI RULJLQDO FRQWULEXWLRQV RQ DQ\ WRSLF RI V  
HPDLO DWWDKPHQW 0LFURVRIW :RUG IRUPDW WR WKH 3URG  
6XEPLVVLRQ RI D PDQXVFULSW LV WDNHQ WR LPSO\ WKDW LW  
VXEPLWWHG IRU SXEOLFDWLRQ HOVHVKHUH 3RWHQWLDO DXWH  
ZKLFK LV DYDLODEOH IURP WKH MRXUQDO V ZHEVLWH

: (%3\$\*(

&XUUHQW DQG ~~SH-RXUQDO~~ ~~RDWFKHVV~~ ~~DD~~ ~~DD~~ ~~DD~~ OH YLD WKH MRXUQ  
KWWSV ZZZ EXVLQHVV XQVZ HGX DX UHVH DUFK SXEOLFDWLRQ

H-RXUQDO RI 7D[ 5HVHDFK YRO QR S

# (GLWRULDO

WK \$QQLYHUVDU\ RI \*67 LQ \$XVWUDOLD

,W LV D SULYLOHJH WR SURYLGH WKLV ~~IR-UB~~ZRUG V  
FRPPHPRUDWLQJ \HUV RI \*RRGV DQG 6HUYLEFHV 7D[  
WD[ LQ \$XVWUDOLD LV QRW QHZ DQG FHUWDLQO\ GHE  
WD[ V\WHP LV QRW QHZ \$W WKH WLPH RI WKH LQWU  
RQ LQFRPH WD[ UDWKHU WKDQ LQGLUHFV WD[HV KDG  
WR RWKHU QDWLRQV ZH FRQWLQXH WR UHO\ FRPSDUD



)25(:25'

,Q , KDG WKH SULYLOHJH RI VSHDNLQJ DW D FRQI  
9LFWRULD 8QLYHUVLW\ RI :HOOLQJWRQ WR PDUN WKH  
1HZ =HDODQG¶V JRRGV DQG VHUYLFHV WD[ \*67 2  
LQWURGXFWLRQ RI \$XVWUDOLD¶V \*67 , DP DJDLQ SUL  
D YDOXH DGGHG WD[ 9\$7 ZRUN LQ SUDFWLFH

\$V D IRUPHU WD[ DGPLQLVWUDWRU DQG &RPPLVVLRQH  
KDYH RQ WKH SROLWLFDO DQG SROLF\ SURFHVVHV IR  
DUH DW EHVW SHULSKHUDO 7KHVH UHVW PDLQO\ LQ W  
RQ WKH DGPLQLVWUDWLYH FKDOOHQJHV DVVRFLDWH

H-RXUQDO RI 7D[ 5HVHDFK

0DNLQJ WK

LQSXW WD[ FUHGLWV H[FHHG WKH WD[ SD\DEOH ,Q \$X  
DQG VHUYLEFHV WD[ WR EHWWHU GHVFULEH LWV FRYH







H-RXUQDO RI 7D[ 5HVHDFK

0DNLQJ WH

WD[ V\ VWHP DQG D SXEOLF UHDVRQDEO\ ZLOOLQJ  
D VPDOO FRPPLWWHG μSXEOLF SULYDWH† WHDP  
RI HQHUJ\ DQG LPDJLQDWLRQ

7KH \$XVWUDOLDQ H[SHULHQFH D KLVWRULFDO SHUVSHFW

μ7KH 6HQDW\DWRF\DWHG ZLWK WKH \$XVWUDOLDQ  
KDG DJDLQ KLJKOLJKWHG WKH IDFW WKDW WKH S  
RSLQLRQ RI WD[ DFDGHPLFV DQG SURIHVVLRQDOV  
VXSSRUW IRU DQG RSSRVLWLRQ WR WKH \*67 DPRQ

1RWKLQJ LQ UHFHQW WLPHV KDV GLYLGHG WKH R

2IWHQ LW FDQ WDNH D ORQJ WLPH WR PDNH VXEVD

\$XVWUDOLDQ H[SHULHQFH ZLWK WKH LQWURGXFWRQ

W °HHQF V HKD μVORZ 6ESUQ†E XW D OVR 2D \$UHS HDW KDPRH W, QD \$XVWUD





H-RXUQDO RI 7D[ 5HVHDFK

0DNLQJ W

7KH FRS\ERRN

μ:LWK LWV XQLFDPHUDO OHJLVODWXUH DQG PDM  
XQIHWWHUHG E\ VHFRQG KRXVHV RI 3DUOLDPHQW  
1HZ =HDODQG ZDV DEOH WR DGRSW ZKDW PDQ\ F  
YDOXH DGGHG WD[ ¶

H-RXUQDO RI 7D[ 5HVHDFK

0DNLQJ W

HGXFDWLRQ LQVWLWXWLRQV WR GHDO ZIZMEWLKHL















SXEOLF VFUXWLQ\ ± D UHIOHFWLRQ RI WKH LQV DFFHSWDQFH UHGGLQHVV DQG DGPLQLVWUDWLRQ

)ROORZLQJ WKH LQWURGXFWRQ RI WKH QHZ WD[ V FRQILGHQFH RI WD[ DJHQWV LQ WKH \$72 UHDFKHG D O LVVXH DVVRFLDWHG ZLWK PDVV PDUNHWHG WD[ DY FRQILGHQFH LQ WKH \$72 ,Q UHVSRQGV LQVWLHO LQJ WKH &RPPXQLV SURJUDP LQIOXHQFHG WKH \$72 V G QHHG IRU QHZ LQIRUPDWLRQ WHFKQRORJ\ ,7 LQWR D D PRUH XVHU FHQWULF RUJDQLVDWLRQ

\$Q HDUO\ VLJQLILFDQW GHOLYHUDEOZBVRWWKH\$7\$7HQ 3RUWDO ZKLFK SURYLGHG WD[ DJHQWV ZLWK D VHFXT UHYROXWLRQLVHG WKH UHODWLRQV KLS EHWZH HQ WD %XVLQHVV 3RUWDO DOORZHG EXVLQHVV WR LQWHUDFV FRVWV

/HVVRQV

7KH HIIHFWLYHQHV RI LPSOHPHQWDWLRQ SURFHVVHV UHGGLQHVV RI WKH EXVLQHVV FRPPXQLW\ HVSHFLDO DWWHQWLRQ QHHGV WR EH JLYHQ WR VXSSRUWLQJ WK

;W LV LPSRUWDQW WR JHW WKLQJV ULJKW XS IURQW

x WKHUH PXVW EH ERWK ZLGHVSUHDG DQG WDUJH IRFXV RQ 9\$7 UHJLVWUDWLRQ UHTXLUHPHQWV LV WR WKH RSHUDWLRQ RI D 9\$7 V\ VWHP 7KH FRPPX WKH EDVLFV RI WKH 9\$7 V\ VWHP VXFK DV WKUHVK LQ UHODWLRQ WR WD[ LQYRLFHV UHFRUG NHHSL LQFOXVLYH RU H[FOXVLYH UHTXLUHPHQWV DFWL XVXDOO\ PRQWKO\ ZLWK HOHFWURQLF ORGJHPHQW RWKHUV SD\PHQW DQG UHIXQG DUUDQJHPHQWV

x WKH H[WHQW RI WD[SD\HU HGXFDWLRQ LV RQ FRPPXQLFDWLRQ FKDQQHOV VKRXOG EH XVHG

x WKH FRPPXQLFDWLRQ VKRXOG EH WDLORUHG WR H[DPSOH GLIIHUHQW LQGXVWULHV ILUPV ZLWK

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μ>D@Q LPSRUWDQW DGGHG FRPSOH[LW\ >ZDV@ WKH LQFUHDVHG S SROBWEFBQSWLHV >GUHZ@ RQH RI WKHLU PDMRU EDWWOH OLG (GPRQGV DERYH Q \*UHJ )DUU IRUPHU 6HFRQG &RPPLVLELWQHWRHQW\DWERQRQSHH &RQIHUHQFHFLWHG LQ 0LFKDHO '\$VFHQ]R μ0RGHUQLVLQJ WKH \$ 3HRSOH 6\ VWHPV DQG H-RXUQDO RI 7D[ 5HVHDFK DP@W pδ2 QH

GLFKRWRP\ EHWZHHQ ODUJH DQG VPDOO EXVLQH  
IRU H[DPSOH JRYHUQPHQW DQG FKDULWLHV

x LQGXVWU\ SDUWQHUVKLSV VKRXOG EH HVWDEOL  
VSHFLILFDOO\ WDLORUHG WR WKH UHOHYDQW LC





H-RXUQDO RI 7D[ 5HVHDFK

0DNLQJ WK

WKH VKDUH RI \*67 UHYHQXH FROOHFWHG E\ WKH \$XVW  
\HDU ZDV XQGHU SHU FHQLW RZDWRWDLQ 060 UHFMQXQ

H-RXUQDO RI 7D[ 5HVHDFK

0DNLQJ W























H-RXUQDO RI 7D[ 5HVHDFK

\*67 DV D VHFXUH VRXUFH RI UHYHQXH IRU WK

HGXFDWLRQ ERWK SUH DQG SRVW VFKRRO 6RPH RW  
FKLOG SURWHFWLRQ DQG GLVDELOLW\ FDUH KDYH VHF  
7KH &RPPRQZHDOWK KDV RIWHQ FRPH XQGHU SROLWL  
RSSRUWXQLW\ LQ WDNLQJ IXQFWLRQV IURP WKH 6WD  
PHHW WKHP DQG JLYHQ WKH OLNHOLKRRG WKDW LQ G

H-RXUQDO RI 7D[ 5HVHDFK

\*67 DV D VHFXUH VRXUFH RI UHYHQXH IRU WK

7KH FHQWUDO LVVXH IRU WKLV DUWLFOH LV ZKHWKHU



H-RXUQDO RI 7D[ 5HVHDFK

\*67 DV D VHFUXH VRXUFH RI UHYHQXH IRU WK

\$XVWUDOLD V YHU\ ODUJH XQLYHUVLW\ VHFWRU 6  
&RPPRQZHDOWK FRVW VKDULQJ LV DURXQG SHU FH  
DQG LV FRQFHQWUDWHG PDLQO\ RQ SXEOLF SULPDU\ D

,Q ZHOIDUH WKH &RPPRQZHDOWK GRPLQDWHV LQ DO  
VXSSRUW DQG RWKHU FDVK WUDQVIHUV JURP WKH 6W  
DJHG FDUH DQG PRUH UHFHQWO\ IRU GLVDELOLW\ FD  
UROH LQ GLVDELOLW\ FDUH FKLOG SURWHFWLRQ VHU  
SURJUDPV +RZHYHU WKHLU VSHQGLQJ RQ VRFLDO VH  
GHYHORSFHQW LV QRZ RQO\ DERXW SHU FHQW RI DO

7KH SUHGRPLQDQW DQG DSSDUHQWO\ JURZLQJ QDW  
FUHDWHV D VWURQJ WHQVLRQ LQ WKH IHGHUDWLRQ 7  
DQG WKH 6WDWHV DUH IXOO\ HQWDQJOHG LQ WKH IXQ  
VDPH LVVXHV DULVH SROLWLFDOO\ LQ WKH SDUOLDPH  
&RPPRQZHDOWK DQG WKH 6WDWHV HDFK KDYH µGHPRF  
RI SROLF\

-XULVGLFWLRQDO



H-RXUQDO RI 7D[ 5HVHDFK









































H-RXUQDO RI 7D[ 5HVHDFK

H-RXUQDO RI 7D[ 5HVHDFK

:KHQ WKH \*67 ZDV LQWURGXFHG \*67 UHFHLSWV Z  
UHYHQXH SHDNHG VKRUWO\ DIWHU LQ DW  
PDWXULQJ RI WKH QHZ WD[ 6LQFH WKHQ \*67 UHF  
\*'3 WR SHU FHQW LQ

7KH 3%2 5HSRUW FRQFOXGHG WKDW

H-RXUQDO RI 7D[ 5HVHDFK

7KH SURVSHFW RI ORZHU \*67 UHYHQXH KDV OHG WR  
UHYHQXH EDVH WR μSOXJ WKH JDS↑ 0HDVXUHV WKDW  
SURSRVH WR LQFUHDVH UHYHQXHV IURP

- x ODQG WD[ WKURXJK DJJUHJDWHG KROGLQJ DQG D
- x ZDVWH GLVSRVDO HQYLURQPHQWDO OHYLVH
- x WKH JDPEOLQJ SRLQW RI FRQVXPSWLRQ WD[
- x LQFUHDVHV LQ ILQHV SHQDOWLHV DQG IHV DQG
- x QHZ WD[HV RQ PRWRU YHKLFOHV DQG OX[XU\ FDU

,Q JHQHUDO FRQIURQWHG ZLWK WKH ODFN RI JURZWK  
UHVURW WR VHOHFWLYH WD[HV WKDW IDOO ZLWKLQ V  
VHOHFWLYH QDWXUH XQVWDEOH DQG LQHILFLHQW 5  
H[LVWLQJ EDVH DQG GLVFRYHULQJ QHZ VRXUFHV RI V  
μ:LOOLH 6XWWRQ RSKD H↑WKDW↑V ZKHUH WKH PRQH\ LV

,URQLFDOO\ LW ZDV WKH QDUURZQHV RI WKH 6WDWH  
RI WKHVH WD[HV WKDW WKH \$176 SDFNDJH VRXJKW WF

:KDW LV LW DERXW WKH \*67 V\VWHP WKDW OHG V WR  
WKH QDWLRQ EDFNZDUGV WR WKH W\SH RI WD[HV WKD

:KDW↑V WKH SUREOHP"

7KH WD[ EDVH

7KH +HQU\ 5HYLHZ LGHQWLILHG WKDW FKDQJHV LQ FR  
LQIOXHQFHG E\ FKDQJLQJ FRQVXPHU SUHIHUHQFHV Q  
7KH +HQU\ 5HYLHZ PDGH WKLV REVHUYDWLRQ DV D I  
QDUURZO\ GHILQH FRQVXPSWLRQ WD[ EDVH

7KH 3%2 DQG +)( 5HSRUWV SRVWXODWHG WKDW GHFOL

WKH H[HPSWLRQV LQ WKH \*67 EDVH VXFK WKDW \*6  
ZLWK KRXXVKROG7KRQXDP\$MWRZQ HOHPHQWV WKD  
HIIHFV

D7KH FKDQJH LQ WKH SURSRUWLRQ RI KRXXVKRO

>2QH@ IDFWRU WKDW KDV OHG WR D GHFOLQH L  
EHHQ WKH FKDQJH LQ WKH FRQVXPSWLRQ PL[ I

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7KHLOOLH 6XWWRQ RSKD H↑WKDW↑V ZKHUH WKH PRQH\ LV  
ILUVV EHFDXVH WKDW LV ZKHUH WKH ODUJHVW VDYLO&RVWDQ EH I  
DQG (HIIHFV 8VLQJ ,QWHJUDWHG &RVW 6\VWHPWRU Q 6XV BQR MLW3D  
,W GHULYHV IURP WKH UHVSQVH RI :LOOLH 6XWWRQ ZKHQ  
ZKHUH WKH PRQH\ LV↑  
:LOOLDPV DERYH Q





































H-RXUQDO RI 7D[ 5HVHDFK

7KH 7DVNIRUFH 5HSRUW SURYLGHV D TXDQWLILFDWL  
LQWURGXFHG LQ LW UDLVHG DQ DGGLWLRQDO  
ILUVW \HDU

x \$8' PLOOLRQ IURP RXWVWDQGLQJ UHWXUQV EH  
ZHUH IRXQG WR KDYH RXWVWDQGLQJ UHWXUQV

x \$8' PLOOLRQ \*67 ± D SHU FHQW LQFUHDVH L  
LQ D VLQJOH \HDU

x \$8' PLOOLRQ 3\$<\* ZLWKKROGLQJ ± GHPRQVV  
UHSRUWLQJ RI ZDJHV DQG FRQFRPLWDQW XQGHUS

x \$8' PLOOLRQ SD\ DV \RX JR 3\$<\* LQVWDOPHQ  
WD[SD\HUV ZHUH LGHQWLILHG DV SD\HHV «

7KLV ZLOO QRW EH WKH WRWDO LQFUHDVH DV DW  
WKHUH ZHUH FRQWUDFWRUV ZKR KDG QRW O  
ZKR KDG ORGJHG EXW 7356 UHSRUWV LQGLFDWHG  
FRQWUDFWRUV ZLWKRXW DQ DFWLYH \*67 UHJLVWU  
UHFHLYHG SD\PHQWV OLNHO\ VXEWHFW WR \*67

\$PHQGPHQWV PD\GHVWRQ\$GHPLOQVWUD\WLRQ\$FCV WKH R  
RI WKH 7356 WR FRQWUDFWRUV LQ WKH FRXULHU DQG

7KH %XGJHW DQQRXQFHG WKH IXUWKHU H[WHQV

7KH \*RYHUQPHQW ZLOO IXUWKHU H[SDQG WKH WD  
7356 WR WKH IROORZLQJ LQGXVWULHV

x VHFULW\ SURYLGHUV DQG LQYHVWLJDWLRQ

x URDG IUHLJKW WUDQVSRUW DQG

x FRPSXWHU V\WHP GHVLJQ DQG UHODWHG VH

7KH PHDVXUH ZLOO KDYH HIIHFW IURP -XO\  
JDLQ WR WKH EXGJHW RI PLOOLRQ LQ ILVFD  
HVWLPDWHV SHULRG ,Q XQGHUO\LQJ FDK EDODG  
RI PLOOLRQ RYHU WKH IRUZDUG HVWLPDWHV

'HVSLWH WKHVH GHYHORSPHQWV IURP D \*67 SHUVS  
DSSOLFDWLRQ

x LW DSSOLHV WR SD\HHV LQ D OLPLWHG UDQJH RI

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7\$\$ 6FK V DUDPHQGHGZV \$PHQGPHQW %ODFN (FRQRP\  
1R \$FW&WK  
2Q 0DUFK WKH 7UHDVXU\ UHOHDVHG IRU FRQVXOWDWLRQ  
VWDWHPHQW GHDOLQJ ZLWK WKLW PHDVXUH VHH 7UHDVXU\ /DZV \$  
1R %LOO ([SODQDWRU\ 6WDWHPHQW 7UHDVXU\ /DZV \$PHQG  
1R %LOO























H-RXUQDO RI 7D[ 5HVHDFK

\$GGUHVVLQJ WKH FRPSOLDQFH JDS

6HFWLRQ LGHQWLILHG D QXPEHU RI ORVVHV LQ \*67  
DYRLGDQFH DFWLYLWLHV DQG GHVLJQ LQHIILFLHQFLH  
WKDW PLJKW DULVH IURP DGGUHVVLQJ WKHVH ZHDNQ  
DYRLGDQFH DFWLYLWLHV JLYLQJ ULVH WR ORVVHV LQ

x PLVVLQJ WUDGHU IUDXG

x LQGSHQGHQW FRQWUDFWRU YV HPSOR\HH VWDW

x GLVDJJUHJDWLRQ RI VLQJOH VXSSOLHV HJ VHSD  
VXSSO\

x IUDXGXOHQW RU HUURQHRXV QRQ UHSRUWLQJ X

H-RXUQDO RI 7D[ 5HVHDFK

2SWLRQV ZRUWK\ RI FRQVLGHUDWLRQ DUH

x H[WHQVLRQ RI WKH μHPSOR\HH† GHILQLWLRQ WR V  
VHUYLEFHV LQFRPH PHDVXU,QVFR 7D[LSVLRQVPRIO  
&WK

x UHIRUPLQJ WKH \$%1 UXOHV

x H[WHQGLQJ WKH 7356 WR DQ\ SD\HU ZLWK DQ \$%  
VHUYLEFH LQFOXGLQJ DQ HQWLW\ WKDW SD\V DQ  
DQRWKHU

'LVDJJUHJDWLRQ RI VLQJOH VXSSOLHV HJ VHSUDWLQJ D

7KH GHVLJQ IHDWXUH RI D YDOXH DGGHG WD[ WKDW  
VWUXFWXUHV ZKHUH VXSSOLHV WR KRXXHKROGV DUH  
LQ VHFWRQ

:KLOH WKH GLVDJJUHJDWLRQ RI VHUYLEFHV EHWZHHQ  
LQYROYHV EURDGHU SROLF\ DQG LQGXLWULDO SROLF\  
UHJLPHV WKHUH DUH FLUFXPVWDQFHV ZKHUH WKHUH  
WKH VHUYLEFHV RI LQWHUPHGLDULHV SDUWLFXODUO\  
WKDW WKH LQWHUPHGLDU\ LV WUHDWHG DV WKH VXS  
SURYLGHUV DQG DUUDQJHUV DUH EURXJKW ZLWKLQ W

)RU H[DPSON

x WKH UHFHQW 1HWIOL[ DQG ORZ YDOXH JRRGV DPH  
\$XVWUDOLDQ FRQVXPHU WKURXJK DQ HOHFWURQL  
RSHUDWRU RI WKH SODWIRUP DQG QRW WKH DFW  
WKH FRXUVH RU IXUWKHUDQFH RI WKH RSHUDW  
QRWZLWKVWDQGLQJ WKDW WKH DFWXDO VXSSOLH  
RZQ ULJKW RU PLJKW EH EHQHDWK WKH WXUQRYH

x 'LYLVLRQ DOORZV SULQFLSDOV DQG LQWHUPHG  
μS WD[DEOH VXSSO\ WKDW WKH SULQFLSDO PDM  
LW\QVJHUPHGLODQGDQW\NHOE\@EHQD\WKESORVPK/D  
LQWHUPHGLDU\ WR WKH WKLUG SDUW\ DQG QR

H-RXUQDO RI 7D[ 5HVHDFK

HQWHUSULVH \$UJXDEO\ WKH \*67 ODZ VKRXOG DC  
EH WKH VXSSOLHU RI WKH VHUYLFHV RI WKH LQGL

7KH UHFKDUDFWHULVDWLRQ RI µLQWHUPHGLDU\¶ VHUY  
VR WKDW VXSSOLHV PDGH WKURXJK LQWHUPHGLDULHV  
LQWHUPHGLDU\ UHJDUGOHVV RI WKH \*67 VWDWXV RI V

2WKHU HYDVLRQ DYRLGDQFH SUDFWLFHV

5HSRUWLQJ DQG GHGXFWLRQ V\VWHPV

'HVSLWH EHLQJ H[WHQG HG RQ WKUHH RFFDVLRQV WR  
OLPLWHG LQ LWV DSSOLFDWLRQ

x LW DSSOLHV WR SD\HHV LQ D OLPLWHG UDQJH RI

x LW DSSOLHV WR SD\HUV ZKR GHULYH DERYH D P  
VHUYLFHV

x LW GRHV QRW JHQHUDOO\ DSSO\ WR VXSSOLHV F

x LW GRHV QRW UHTXLUH D GHGXFWLRQ IURP WKH S

x D GRPHVWLF UHYHUVH FKDUJH LV QRW UHTXLUHG

7KH 7356 V\VWHP VKRXOG EH H[WHQG HG WR DSSO\ WR

x SD\HHV LQ D EURDGHU UDQJH RI VHUYLFHV

x









H-RXUQDO RI 7D[ 5HVHDFK

« \$ PRPHQW¶V WKRXJKW ZLOO PDNH LW FOHDU W  
SURQH QRW OHVV WR HYDVLRQ WKDQ D :67 RU 5  
RQH FDVK IORZ RI WD[ DQG WKLW FDVK IORZ LV  
RFFXUV 7KXV WKH XVXDO IRUP RI HYDVLRQ XQGH  
RI JRRGV ZLOO FKDUJH WKH WD[ WR WKH EX\HU  
JRYHUQPHQW 7KH \*67 RQ WKH RWKHU KDQG LQY  
RI LQSXW WD[ FUHGLWV DV ZHOO DV WKH FKDUJ  
YXOQHUDEOH WR D IXUWKHU NLQG RI HYDVLRQ ± V



H-RXUQDO RI 7D[ 5HVHDFK

UHIXQG DQG LQ WKH HDUO\ VWDJH RI LPSOHPH  
FRYHUDJH LV IXOO\ LQ SODFH ,Q WKLV FDVH LW  
WUDQVDFWLRQ DW DOO RFFXUV EXW D IUDXGXOH  
WR FODLP D UHIXQG

,I WKH \*67 HYDGLQJ VXSSOLHU GLVFRXQWV WKH  
DPRXQW RI WKH \*67 WKH UHJLVWHUHG EXVLQH  
LQGLIIHUHQW 6R WRR WKH \$72 PD\ QRW EH RYHU  
SXUFKDVH ZLOO EH PDGH XS IRU RQ WKH QH[W VD  
HYDGHU LV VXSSO\LQJ WR D FRQVXPHU DQG QRW  
HYDGHG WD[ LV ORVW IRUHYHU ,I WKH HYDGHU X  
WKH VHUULFHV VHFWRU WKHUH LV OLWWOH LQ  
+HQFH WKH \*67 LV DV SURQH WR HYDVLRQ LQ  
SOXPQLQJ HOHFWULFDO UHSDLUV HWF DV RWK  
VSHFLDOLVLQJ LQ WKLV DUHD DQG QRW PDNLQJ  
DOWHUQDWLYHO\ FKDUJLQJ WD[ RQ VXSSOLHV  
KRXVHKROGV DQG VHHNLQJ WR DOORFDWH DOO LQ

7KH YDOXH DGGHG WD[ V\VWHP GHVLJQ PDNHV LW VXV  
EH LPSURYHG WR DGGUHVV LWV ZHDNQHVVHV"

+ \EULG \*67

,W LV ZRUWK FRQVLGHULQJ ZK\ D YDOXH DGGHG WD[ L  
RQ WKH SULFH SDLG WR KLP KHU E\ WKH FRQVXPHU

7KH H[SODQDWRQ QR GRXEW LV WKDW WR UHTXLUH  
H[SHQGLWXUH LV QRW OLNHO\ WR EH

x SROLWLFDOO\ DFFHSWDEOH DQG

x SUDFWLFDOO\ ZRUNDEOH

%XW DV GLVFXVVHG LQ VHFWRU D YDOXH DGGHG  
WD[ SD\DEOH RQ KRXVHKROG FRQVXPSWLRQ H[SHQGLV  
LV D JRRG WKLQJ IURP D FRPSOLDQFH DQG DGPLQLVW

H-RXUQDO RI 7D[ 5HVHDFK

UHYHUVH FKDUJH DSSURDFK ZRXOG QRW UHPRYH  
ZLWK LGHQWLI\LQJ EXVLQHVV WR EXVLQHVV WUDC

5HYHUVH FKDUJLQJ ZRXOG EH VLPLODU LQ HIIHF  
WUDQVDFWLRQV ZLWKLQ WKH VXSSO\ FKDLQ ZRXO  
WKDW WKH UHFLSLHQW LV UHJLVWHUHG IRU \*67 «

7KLV DSSURDFK PLJKW UHGXFH VRPH FRPSOLDQFH  
\*67 V\WHP ,W DOVR UHGXFHV WKH ULVN WR UH  
ZKHUH QR \*67 KDV EHHQ SDLG « 7KLV ZRXOG EH I  
WR ODUJH LQIUHTXHQW WUDQVDFWLRQV

**X Z**

7KH +HQU\ 5HYLHZ UHFRPPHQGHG

7KH JRYHUQPHQW VKRXOG FRQVLGHU PDNLQJ JUH  
EXVLQHVV WUDQVDFWLRQV RU UHYHUVH FKDUJLQ  
FRVW VDYLQJV RXWZHLJK WKH DGGLWLRQDO FRPS

7KH GLVFXVVLQRQ LQ HDUOLHU VHFWRU LQOOXVWUDW  
RQ % % WUDQVDFWLRQV LV D OHVV ULVN\ ZD\ RI HQVX  
RIIVHW LQ WKH UHSRUWLQJ REOLJDWLRQV RI WKH RQ  
XQIXQGHHG UHIXQGV

\$QG WKH 6XEGLYLVLQRQ ( UHVLGHQWLDO SUHPLVHV  
WKH \*67 REOLJDWLRQ RQ WKH SDUW\ RQ ZKLFK LW LV

\$V GLVFXVVHG DERYH D EURDGHQLQJ RI WKH UHYH  
XQGHUWDNHQ

(PSOR\HH DUUDQJHU SURYLVLQRQV

7KH GLVFXVVLQRQ RI LQWHUPHGLDULHV LQ SUHYLRXV V  
QLJKW DQG 0RQGD\ PRUQLQJ FRQWUDFWRU DUUDQJHF  
OLDELWLW\ IRU VXSSOLHV WKDW DUH DUUDQJHG RU  
µDUUDQJLQJ¶ IRU WKH VXSSO\ WR EH PDGH WR WKH F  
WKH FXVWRPHU

,Q\$VRFLDFLYQ 3URIHVLRQDO (OLWH &D\MHY&8EHU 6\W\WH  
\$GYRFDWH \*HQHUDO UHFRPPHQGHG WKDW

8EHU¶V DFWLYLW\ PXVW EH YLHZHG DV D ZKROH  
FRQQHFWLQJ SDVVHQJHUV DQG GULYHUV ZLWK  
VPDUWSKRQH DSSOLFDWLRQ DQG WKH VXSSO\ RI  
IURP DQ HFRQRPLF SHUVP 0





x UHPRYLQJ FDKV UHFHLSWV IURP H[SRUWV

7KH +HQU\ 5HYLHZ VXJJHVWHG UHIXQGV ZRXOG EH SD  
IORZ LQ DQ\ SHULRG

7KH LQIHUHQFH LV WKDW D FDKV IORZ WD[ FRXOG EH  
\$FFRUGLQJO\ EXVLQHV DQG JRYHUQPHQW RSHUDWLQ  
ZLWKLQ WKH VDPH μFDVK IORZ WD[¶ V\ VWHP ZLWKRXV  
LWHPV SURGXFHG

5HPRYLQJ WKH WUDQVDFWLRQ E\ WUDQVDFWLRQ UHS  
DGPLQLVWUDWLRQ EHFDXVH WKH IRFXV ZRXOG VKLIW  
VDPH DV LQFRPH WD[

/LPLWDWLRQV

:KLOH QRW FRYHUHG LQ WKH +HQU\ 5HYLHZ LW LV SF  
QRW EH EURXJKW ZLWKLQ WKH FDKV IORZ WD[ V\ VWHP  
PLJKW QRW EH DEOH WR EH XWLQLVHG IRU VXSSOL

7KH μFDVK IORZ¶ DSSURDFK ZRXOG QRW FDOFXODWH W  
VHUFLFHV DQG UHQWV ± WZR RI WKH μGLIILFXOW WR  
RI UDLVLQJ HTXLYDOHQW DPRXQWV RI WD[ WKURXJK D

,Q DGGLWLRQ ZKLOH WKH μVHOI HQIRUFLQJ¶ FKDU  
H[DJJHUDWHG WKH FDKV IORZ PHWKRG RI LWVHOI LV  
\$V VXFK LW LV VXVHSHWLEOH WR IUDXG LQ ERWK RYH

\$ FDKV IORZ FRQVXPSWLRQ WD[ KDV WKH SRWHQWLDO  
RQ μHQWLWLHV¶ UDWKHU WKDQ JRRGV DQG VHUFLFHV  
GLIILFXOWLHV RI FRQVXPSWLRQ WD[DWLRQ SHUVLVW

x JRYHUQPHQW VXEVLV IZRXOG G HDS\SLFDHU WKDW WKH  
UHTXLUH ERWK VXEVLGLHV DV ZHOO DV H[SOLFL  
UHYHQXH DJDLQVW ZKLFK DOO FRVWV FDQ EH FOD  
DQG VXEVLGLHV LQ WKH HGXFDFWLRQ DQG KHDOW  
IORZ DQG FKXUQLQJ LQHILFLHQFLHV LQ WKH μIX  
ZRXOG EH WR H[FOXGH VXEVLGLHV DQG JUDQWV  
ODUJH DQG RQJRLQJ UHIXQGV DV LV WKH FDVH X

x WKH SURSHUWD[ SDWHG DGYDQW DJH RI WKH FD  
IRFXVHV RQ HQWLWLHV UDWKHU WKDQ WUDQVD  
RSSRUWXQLW\ WR PDQLSXODWH WKH FRUHFHFW HG  
IORZ DSSURDFK \$ GLVFXVVRQ RI WKLV ZHDNQHVV  
VFRSH RI WKLV DUWLFOH

x HPSOR\HH LQGHSHQGHQWLW RQW QRFWRQ HDWU DQHW  
IORZ DSSURDFK ZRXOG DGGUHVV WKH LQKHUHQW  
FROOHFWHG RQ WKH YDOXH DGGHG E\ μ)ULGD\ QL  
DQG μLQWHUPHGLDULHV¶ GLVFXVVG LQ VHFWRQ

x SKRHQL[ DQG PLVVWKH FDDGHIORZ DFXG FKDQLVP VX  
+HQU\ 5HYLHZ ZRXOG UHVXOW LQ D UHIXQG RI W  
QRW DFFRXQWHG IRU E\ WKH VXSSOLHU

H-RXUQDO RI 7D[ 5HVHDFK

x 'HPDQGLQJ RU SD\LQJ IRU ZRUN FDVK LQ KDQG WF  
x 1RW UHSRUWLQJ RU XQGHU UHSRUWLQJ LQFRPH  
)XUWKHU WKH FDVKIORZ V\WHP ZRXOG VHHP WR VXII  
PDLQJ LW SHUKDSV XQVXLWDEOH DV D WD[ EDVH IR







H-RXUQDO RI 7D[ 5HVHDFK

7KH FDVH IRU VSHFLILF H[HPSWLRQV IURP WK

QFRPH RC1D[~~QFRPH~~BCDD[LQFRPH WD[ RQ FRPSDQLHV 3WKHY\*67 OHRP

# D 1, M D L E H,

H-RXUQDO RI 7D[ 5HVHDFK

7KH FDVH IRU VSHFLILF H[HPSWLRQV IURP WK

KLJKHVW SURSRUWLRQ VLQFH DQG FRQWLQXLQJ  
FRQILUPHG E\ UHSUHVHQWDWLYHV ZLWK (OHLVHVW BWA  
μWKH WD[ UHYHQXH FROOHFWHG IURP KRXVHKROGV KD

\$V LW FRPSULVHV DSSUR[LPDWHO\ SHU FHQW RI RYI  
ODUJHVW DPRXQW FEIDWHGHQXHYHQXHV ZHUH H[SHFWHG  
KRZHYHU GXH WR IDFWRUV VXFK DV FKDQJHV LQ FRQ  
WKH DPRXQWV FROOHFWHG LQ \*67 KDYH YDULHG LQ W  
,Q ZKHQ WKH WD[ ZDV ILUVW LQWURGXFHG \*67 U  
WKLV OLIWHG QRPLQDOO\ WR SHU FHQW RI \*  
FHQW LQ

35,1&,3/(6 2) 7\$; 32/,&<

,W LV ZLGHO\ DFNQRZOHGJHG WKDW WKHUH DUH ILYH  
D JRRG WD[ V\WHP 7KH UHYLHZ\$RVWUKDIO\$DVWYXDXD  
6\WHP 5HSRUW WR WKHV7 QG`e`0 \*

H-RXUQDO RI 7D[ 5HVHDFK



H-RXUQDO RI 7D[ 5HVHDFK

7KH FDVH IRU VSHFLILF H[HPSWLRQV IURP WK

H-RXUQDO RI 7D[ 5HVHDFK

7KH FDVH IRU VSHFLILF H[HPSWLRQV IURP WK

UHIHUHG WR ~~DO VHKULR~~ DDWHGOH WKH WHUP H[HPSWLR  
VFHQDULRV

&2168037,21 7\$;(6;(037,216 \$1' )22'

\$XVWUDOLD LV RQH RI RQO\ ILYH 2(&' PHPEHU FRXQWU  
WR VSHFLILF IRRG LWHPV WKH RWKHU FRXQWULHV EH  
.LQJGRP 7KH PDMRULW\ RI (XURSHDQ FRXQWULHV G

H-RXUQDO RI 7D[ 5HVHDFK

7KH FDVH IRU VSHFLILF H[HPSWLRQV IURP WK

WKH KLJKHVW TXLQWLOH DFWXDOO\ VSHQG PRVW RQ I  
VSHQG RQ UHFUHDWLRQ ZLWK WUDQVSRUW DQG KR XV  
RI H[SHQGLWXUH

)LJ 3URSRUWLRQ RI :HHNO\ +RXVHKROG 6SHQGLQJ P  
0LGGOH DQG +LJK :HDOWK \$XVWUDOLD

7KLV LV D VKLIW IURP ZKHQ ORZ LQFRPH HDUG  
DV PXFK RI WKHLU LQFRPH RQ IRRG DV SHRSOH LQ WK

H-RXUQDO RI 7D[ 5HVHDFK

7KH FDVH IRU VSHFLILF H[HPSWLRQV IURP WK

/LNH \$XVWUDOLD DQG &DQDGD ,UHODQG JDLQV D VLJQ  
9\$7 7KH ,ULVK VWDQGDUG 9\$7 UDWL LV SHU FHQW  
RI SHU ,QH,UMODQG EDVLF IRRG DQG GULQN IRU K  
UDWH 70 LV DSSOLHV WR LWHPV VXFK DV IUXLW YHJH  
EHYHUDJHV RU F, RQHDFWG DQDU DSSOLHV UHGXFHG 9\$  
SHU FHQW DQG SHU FHQW WR D QXPEHU RI JRRGV

\$ VWXG\ XVLQJ WKH +RXVHKROG %XGJHW 6XUY  
7ULQLW\ &ROOHJH 'XEOLQ IRXQG WKDW ,ULVK KRXVHK  
GHFLOH H[SHQGHHG DERXW SHU FHQW RI WKHLU GL  
KRXVHKROGV RQ WKH RWKHU KDQG VSHQW RQO\ DERXW  
WKRVLQ WKH ORZHVW LQFRPH GHFLOH WKH DXWKR  
,UHODQG ZDV KLJKOH UHWHG VLOWR FRQFOXGHG WKDV  
ZRXOG LQFUHDVH WKH UHJUHVVLYH HIIHFW RI WKH W  
ORZHVW LQFRPH GHFLOH UXUDO KRXVHKROGV VLQJ  
KRXVHKROGV ZLWK VZKRUJURVWKHJSMRSQPHQW LJQRUHG  
LQFUHDVHG WKH KLJKHVW UDWL RI 9\$7 DOWKRXJK LW  
DQG EHYHUDJHV

7KH VWDQGDUG UDWL RI \*67 \$PQRQH[WKRH LWXSSSHHVFWRV  
UDWHG DUH WKH VXSSO\ RI QRQ LQGXVWULDOLVHG D  
VSHFLILF IRRG SURGXFWV SDW,HWVSHHDLFLQKDVWQVK  
SROLF\ EHKLQG ]HUR UDWLQJ EDVLF IRRG ZDV VLPLOD  
FRQVLGHUHG WR LPSDFW PRUH KDUWRZHYRQUOR&ZWLQ



H-RXUQDO RI 7D[ 5HVHDFK

7KH FDVH IRU VSHFLILF H[HPSWLRQV IURP WK

LQFRPH FRQVXPHUV SXUFKDVH IRRG IURP WKHVH VXS  
IRRG HYHQ LI LW ZDV WD[DEOH

H-RXUQDO RI 7D[ 5HVHDFK

7KH FDVH IRU VSHFLILF H[HPSWLRQV IURP WK

7KH H[HPSWLRQ IRU IRRG DQG ORZ LQFRPH KR XVHKROGV L

5HVHDFK RYHU WKH ODVW GHFDGH KDV H[DPLQHG W  
ORZ LQFRPH KR XVHKROGV ZLWKLQ WKH FRQWH[W RI G

H-RXUQDO RI 7D[ 5HVHDFK

FRVW DERXW

7KH FDVH IRU VSHFLILF H[HPSWLRQV IURP WK

KHDOWK\ OLIH \HDUV RYHU WKH C

H-RXUQDO RI 7D[ 5HVHDFK

7KH FDVH IRU VSHFLILF H[HPSWLRQV IURP WK

H-RXUQDO RI 7D[ 5HVHDFK

7KH FDVH IRU VSHFLILF H[HPSWLRQV IURP WK

\*67\$1' +(\$/7+&\$5(





H-RXUQDO RI 7D[ 5HVHDFK

7KH FDVH IRU VSHFLILF H[HPSWLRQV IURP WK

7KH SROLF\ UDWLRQDOH LV WR WD[ WKH YDOXH RI KR  
WKH WUHDWPHQW RI WKRVH ZKR UHQW WKHLU GZHOOL  
2ZQHU RFFXSLHUV ZRXOG QRW EH VXEMHFW WR WKH \*  
ZRXOG QRW EH VHOOLQJ WKHLU KRXXVH LQ WKH FRXUV  
VHOOLQJ WKHLU ~~IRPP~~ IURP D WD[ SHUVSHFWLYH LV  
WD[HG VXSSO\ ± QR \*67 LV FKDUJHG RQ WKH VDOH DQ  
7R UHDOLVH WKLV SROLF\ REMHFWLYH UHVLGHQWLDO  
WKDW WKH\ DUH DFWXDOO\ XVHG WR SURYLGH DFFRP  
DQG WKHQ RQO\ WR WKH SRLQW WKDW DFFRPPRGDWLF  
WKH H[WHQW WKDW EXVLQHVV UHODWHG DFWLYLW\ LV  
SUHPLVHV KRXLQJ VXSSOLHV DUH WD[DEOH WR HQD  
RI SUHPLVHV WR FODLP D WD[ FUHGLW LQ UHVSHFW  
HQVXUH WKHLU LPPXQLW\ WR WKH WD[

\$V (EULOO HW DO VWDWH

2ZQHU RFFXSLHG KRXLQJ LV SUREOHPDWLF KRZ  
FRQVXPSWLRQ RQ ZKLFK RQH ZRXOG OLNH WKH W  
EHHQ PDGH LQ WKH SDVW WR LPSXWH YDOXH W



H-RXUQDO RI 7D[ 5HVHDFK

7KH FDVH IRU VSHFLILF H[HPSWLRQV IURP WK

H-RXUQDO RI 7D[ 5HVHDFK

7KH FDVH IRU VSHFLILF H[HPSWLRQV IURP WK

7D[ ([SHQGLWXUHV 6WDWHPHQW UHYHDOV WKDW R



H-RXUQDO RI 7D[ 5HVHDFK

7KH FDVH IRU VSHFLILF H[HPSWLRQV IURP WK

H-RXUQDO RI 7D[ 5HVHDFK

H-RXUQDO RI 7D[ 5HVHDFK

H-RXUQDO RI 7D[ 5HVHDFK

7KH FDVH IRU VSHFLILF H[HPSWLRQV IURP WK

H-RXUQDO RI 7D[ 5HVHDFK YRO QR SS





7DEOH \*67 &RPSOLDQFH /LDELWLHV

<H DU	*67 FRPSOLDQFH OLDELWLHV

7KHVH

1‰<sup>TM</sup> “ g<sup>TM</sup>€ 0

H-RXUQDO RI 7D[ 5HVHDFK

\*67 DGPLQLVWUDWLRQ

FKDQJH VFRXUVH \*67 UHIXQGV FDQ DULVH IURP HLWKH  
RU RYHUSDLG µRXWSXW¶ \*67 %XW WKHUH LV D VLJQI  
WZR ,Q EURDG WHUPV DQ XQGHU FODLPHG LQSXW W  
E\ WKH UHOHYDQW HQWHUSULVH ZKLOH RYHUSDLG µF  
HQWHUSULVH RU KDYH EHHQ VKLIWHG IRUZDUG LQ S  
FXVWRPHU ,Q WKH ODWWHU FDVH WKH UHIXQG UXOH  
UHFHLYLQJ D µZLQGIDOO JDLQ¶ DW WKH H[SHQVH RI W  
2YHUODLG RQ WKHVH UXOHV DUH OLPLWDWLRQ SHULR  
FODLPHG EH\RQG D IRXU \HDU SHULRG VXEMHFW WR





REMHWLWRQ SURYLGHG WKH REMHWLWRQ LV LWVH  
SHULRG 7KH LQDELOLW\ WR KDYH DQ LQGHSHQG

'HVSLWH WKH &RPPLVVLRQHU¶V YLHZ EHLQJ µSUHOLPL  
DOUHDG\ UDLVHG WKH LVVXH DJDQVWWD[SD\HUV LQ

6R WKH QRWLRQ WKDW DXWKRULWLHV PLJKW EH µSDL  
QR ORQJHU D IHDWXUH RI WKH FXUUHQW DGPLQLVWUD  
WKDW WKH DXWKRULWLHV FDQ QRZ EH SDLQIXOO\ TXI  
RYHU UHDFW 7KLV LV LQFUHDVLQJO\ VR ZKHQ UHYHQX

\$GPLQLVWUDWLRQ RI \*67 UHIXQGV

0XFK RI WKH &RPPLVVLRQHU¶V HIIRUWV RQ FRPSOLD  
YHULILFDWLRQ RI UHIXQGV PDGH E\ WD[SD\HUV 7KH \$  
YHULILFDWLRQ ZDV FRQVLGHUHG XE WLVWLV [JHWHURDO &  
&RPPLVVLRQHU KDG UHWDLQHG 0XOWLIOH[¶V \*67 UHI  
UHIXQGV WKDW ZHUH VXVSHFWHG WR EH SDUW RI D IU  
WKH µUHDVVRQDEOH WLPH¶ UHIHUHG WR LQ VHFWRQ  
&RPPLVVLRQHU WDNHV WR IDFLOLWDWH WKH SD\PHQW  
WLPH WDNHQ WR FRQGXFW DQ LQYHVWLJDWLRQ LQ  
&RPPLVVLRQHU ZDV RUGHUHG WR SD\ WKH \*67 UHIXQG  
ODZ ZDV TXLFNO\ FKDQJHG E\ LQWURGXFHQJ VHFWRQ  
ZKLFK JLYHV WKH &RPPLVVLRQHU SRZHU WR ZLWKKRO

7KH ,QVSHFWRU \*HQHUDO RI 7D[DWLRQ UHFHQWO\ F  
USLQDQV WUDLQ RQ B2 DGRGHRK GVDLGG QPQRZQ UR G

H-RXUQDO RI 7D[ 5HVHDFK

\*67 DGPLQLVWUDWLRQ

SUDFWLWLRQHUV DQG WKHLU FOLHQWV WKLV LV DG  
DGPLQLVWUDWLRQ ZKLFK QHHGV WR EDODQFH WLPHO  
,QWHUHVW RQ \*67 UHIXQGV

7KH DYDLODELOLW\ RI LQWHUHVW RQ \*67 UHIXQGV L  
DFFXUDWHO\ WKH WLPH IURP ZKLFK LQWHUHVW UXQ  
UHFHQW ~~QURXQV~~ GHOD\HG UHIXQGV LQWHUHVW ZDV



H-RXUQDO RI 7D[ 5HVHDFK

\*67 DGPLQLVWUDWLRQ







H-RXUQDO RI 7D[ 5HVHDFK

\*67 DGPLQLVWUDWLRQ

LQYROYLQJ QR UHDO WHFKQLFDO LVVXHV 7KDW ZRXO  
EH ZHOFRPHG DQG WKH &RPPLVVLRQHU FRQJUDWXODW

7KH VHFRRG FODVV RI GLVSXWH DULVHV ZKHQ WKH \$7  
VXLWDEOH IRU UHVROXWLRQ )RU WKHVH GLVSXWHV W  
WKH \$72 KDV EFRPH XQQHFHVVDULO\ FRQIURQWDWLF  
ORZ SRLQW LQ UHODWLRQV ZLWK WKH \$72 2I FRXUVH  
DUH E\ WKHLU QDWXUH DGYHUVDULDO +RZHYHU SUD  
\HDUV VHH D UHDO FKDQJH DQG D UHWXUQ WR WKH  
&RPPLVVLRQHU WDNLQJ HYHU\ SRLQW PDQ\ RI ZKLFK  
WKH LVVXH LQ GLVSXWH 7KDW LV XQIRUWXQDWH DV  
FDSDEOH RI UHVROXWLRQ ZLWKRXW WKH QHHG WR EH

,I LW ZHUH SRVVLEOH IRU WKH DXWKRU WR RIIHU VRP  
PXFK EURDGHU YLHZ RI ZKLFK PDWWHU PLJKW EH VX  
UHVROXWLRQ \$EVHQW IUDXG RU HYDVLRQ LW LV WKH  
ZRXOG EHQHILW IURP LQWHUYHQWLRQ 2QH RI WKH E  
HYHQ LI D PDWWHU GRHV QRW VHWWOH LW LV RIWH  
ZKHWKHU WHFKQLFDO SRLQWV SURFHGXUDO SRLQWV  
SDUWLHV )XUWKHU WKH PHUH SUHVHQFH RI DQ H[S  
UHVROYLQJ D GLVSXWH RIWHQ WHQGV RI LWVHOI WR  
D ORQJ ZD\ WR DOOD\LQJ WKH FXUUHQW FRQFHUQV RI

&21&/86,21

H-RXUQDO RI 7D[ 5HVHDFK YRO QR SS

\* 67 DGPLQLVWUDWLRQ ± FRP

'U 3HWHU +LOO

\$EVWUDFW

7KLV DUWLFOH SURYLGHV FRPPHQWV RQ WZR DUWLFOHV SUHVHQWHG RQ WKH  
WR WKH DGPLQLVWUDWLRQ RI \*67 UXOLQJV RYHU WKDW SHULRG WKH DXWK  
SHUIRUPDQFH DQG VHHNV WR KLJKOLJKW RQJRLQJ LVVXH ZLWK D WKH R  
RI DQ\ VWDWHG SHULRG IRU DQ\ \*67 SULYDWH UXOLQJ DQG WKH FRQVHTXH  
DVVRFLDWHG ZLWK D SDUWLFXODU SURYLVLHQJ GLVFXVHG LQ RQH RI WKH  
SHUIRUPDQFH LQ UHGXFHQJ WKH ODUJH \*67 JDS PHQWLRQHG LQ RQH RI WKH  
RYHUO\ FRPSOH[  
67 DGP UR



























H-RXUQDO RI 7D[ 5HVHDFK

)LQDQFLDO V)

LQSXWV XVHG IRU VXSSOLHV WKDW DUH WD[DEOH ZL  
DOORZHG IRU LQSXWV UHODWLQJ WR RWKHU VXSSOLH  
7KH \$XVWUDOLDQ V\WHP WDNHV WKH RSSRVLWH DSS  
PDQGDWHG IRU DFTXLVLWLRQV WKDW UHODWH WR L

+RZHYHU WKLW EURDG SULQFLSOH KDV VRPH TXDOLIL  
H[HPSWLRQV D VWULFW LQWHUSUHWDLRQ LV IDYRX  
PD\ EH H[HPSW

7KH WUHQG RI WKH \$XVWUDOLDQ FDVHV E\ FRQWUDVW  
RI WKH VWDWXWH DQG WKH WUDQVDFWLRQV LW WD[H  
µWKH &RXUW ZLOO SUHIHU DQ LQWHUSUHWDLRQ RI  
OHJLVODWLYH SXUSRVH DV RSRHFR XURWRQHQ VFKDWD  
WUDQVDFWLRQ IRU \*67 SXUSRVHV DSSHU WR EH PRU  
D WUDQVDFWLRQ UDWKHU WKDQ WKH µVXEVDQFH¶ RI

'XULQJ WKH SUHFHGLQJ RU VR \HDFK LW LV VWULN  
KDYH EHHQ GHFLGHG LQ FRQQHFWLRQ ZLWK ILQDQFL  
QXPEHU ZLWK SHUKDSV KDOI D GR]HQ RU VR FDVHV R  
PD\ LQ SDUW EH D UHVXOW RI WKH GHWDLOHG GUDIWI  
DQG LQ WKH DFFRPSDQ\LQJ \*67 5HJXODWLRQV ,Q DG  
UXOLQJV DGGUHV PDQ\ RI WKH PDLQ LVVXHV PDNLQ  
DUJXDEO\ RQH RI WKH EHV\WH\SRZHGHU LQ WKH XUSU  
RI WKH FDVHV WKDW KDYH EHHQ GHFLGHG KDYH DULVH  
\$XVWUDOLDQ V\VWHP GHVFULEHG DERYH VXFK DV WK  
GLVFXVVHG IXUWKHU LQ VHFWRQ EHORZ DQG WK  
DFTXLVLWLRQV EHWZHHQ GLIIHUHQW FDWHJRULHV RI  
FRQVLGHUV WKH SURSHU DSSURDFK WR FRQVWUXFWLR  
ZLWK LPSRUWDQW FRQVHTXHGHV IRU \*67 VHFWRQ

&/\$,0,1\* ,1387 7\$; &5(' ,76

7KH UHDFK RI WKH SURYLVLRLQV RI WKH \*67 \$FW DOORZ  
IHOO IRU FRQVLGHUWLRQ E\ WKH FRXUWV DW DQ HDU  
XVXDO VFKHPH IRU YDOXH DGGHG WD[DWLRQ 7KDW L  
WKH (XURSHDQ 8QLRQ WKH UXOHV UHTXLUHG UHOHY  
WD[DEOH VXSSOLHVDORZDGLXDEMLRQV &RGHU WKH  
WKH UHTXLVLWH UHODWLRQV KLS EHWZHHQ LQSXW WD  
GHQRDQNSXW WD[ FUHGLWV

7KH SDUWLFXODU TXHVWLRQ ZDV WKHUHIRUH ZKDW  
DQG LQSXW WD[HG VXSSOLHV WR SURGXFH D GHQLDO  
µDFTXLVLWLRQ« >UHODWH@« WR PDNLQJ VXSSOLHV W

---

RI WKH &RQWUDFW \$QG µ(FRQWUDF 5HDOXVGHG -DQXDU  
KWWSV ZZZ JRY XN KPUF LQWHUQDO PDQXDOV YDW VXSSO\ DQG I  
&DVH & &RPPLVLRQ (Y& )UHQH -DQXDU\  
+3 0HUF DQWLPHWHG Y &RPPLVLRQHQ &7D[DWLRQ QFH /LPLWH  
%DQNVWRZQ )RRWEDOO &O&E /LPLWHG  
&RPPLVLRQH RI 7D[DWLRQ Y \*OR[LQ]D\$QYHVWPHQWV DULVH  
6W\OH ,QHVWPHQWV 3W\ /WG DV 7UXVWHH IRU WKH \$XVWUDOLDQ  
7D[DWLRQ@ \$\$7\$ \$75  
6HH \$XVWUDOLDQ 7D[DWLRQ 2IILFH µ\*RRGV DQG 6HUYLFHV 7D[  
5HODWHG 6XSSOLHV DQG \$FTXLVLWLRQ¶ \*RRGV DQG 6HUYLFHV 7  
7D[ 'HWHUPLQLQJ WKH ([WHQW RI &UHGLWDEOH 3XUSRVH IRU &  
\$GMXVWPHQWV IRU &KDQJHV LQ ([WHQW RI &UHGLWDEOH 3XUSRV  
5HGXFHG &UHGLW¶ \*67\$XLVLWLRQ

H-RXUQDO RI 7D[ 5HVHDFK

)LQDQFLDO V)

RI WKH \*677K\$FVH RI WKH VXEMXQFWLYH μZRXOG  
FRQGLWLRQV XQGHU ZKLFK K\SRWKHWLFDQ LQSXW WD  
TXHVWLRQV DV WR ZKDW WKRVH K\SRWKHWLFDQV ZHU  
ZKHQ WKH DFWXDO LQSXW WD[HG VXSSOLHV ZHUH UHT  
DFWXDO VXSSOLHV WKDW ZHUH LQSXW WD[HG RFFX  
LGHQWLILHG IRU FUHGLWDELOLW\ WR EH GHQLHG"

7KHVH TXHVWLRQV IHO+3 IRU EDOMHOWLDLQ ILQ TXH  
RSHUDWHG D GHEW FROOHFWLRQ EXVLQHVV DFTXLU



H-RXUQDO RI 7D[ 5HVHDFK

)LQDQFLDO V)

VKRXOG FRQYHUVHO\ D800RZ EFUHHGO WDWKOLV SUHIHUU  
DWWULEXWLRQ ZLOO DOORZ IRU D PRUH DFFXUDWH ZD  
VHFWLRQ DQG LQ SDUWLFXODU WKH DEVHQFH RI

H-RXUQDO RI 7D[ 5HVHDFK

)LQDQFLDO V)

μLQ SXW WD[HG¶ 5DWKHU WKDQ XQGHUWDNH WKL  
DFTXLVLWLRQV LQ TXHVWLRQ WKH UHVSRRGHQW  
ILJXUHV DV D SUR[\ IRU WKH UHODWLRQVKLS E  
DJJUHJDWH DQG WKH PDNLQJ RI SDUWLFXODU V)

«

>7@KH IRUPXOD DVVXPHV WKDW LW LV IDLU DQ  
SURSRUWLRQDO UHODWLRQVKLS EHWZHHQ D W





















XS μPDQDJHPPHQW¶ \$ PDQDJHU RI D FRPSDQ\ KDV EHF  
WKH PDQDJHPPHQW RI WKH ZKRQHWHDEHQWRIKWK RRFDS  
μPDQDJHPPHQW¶ LV JHQHUDOO\ UHJDUGHG DV LQYROY  
H[HUFLVH[RFDHWRQDURSRZHU DQG GLUHFWERQ RI  
H[HUFLVH RI SRZHU SUHVXPDEO\ UHTXLULQJ D KXPdq  
μPDQDJHPPHQW¶ LV

μ%URNHUDJH¶ LQFOXGLQJ WKH ZRUN RI D VWRFNURN  
WUDGLWLRQDOO\ DOVR LQYROYHV D KXPdq DFWRU



EDVLF DVVXPSWLRQV XQGHUO\LQJ WKH YDOXH DGGHG  
 VHUYLFHV QDPHO\ WKH SUREOHPV LQ ILQGLQJ WKH μ  
 7KH FKDQJH \$, LV DOUHDG\ EULQJLQJ WR EHDU LV UH  
 FKDQJHV PD\ QRW RFFXU RYHUQLJKW 7R UHPHPEHU Z  
 UHJDUG PD\ QRW JR DPLVV QDPHO\ WKDW μZH WHQG W  
 LQ WKH VKRUW UXQ DQG XQGHUHV \$QW\WKXJWPHDHLQJF  
 PDQ\ SUHGLFWLRQV LQ D YRODWLOH DQG UDSLGO\ H  
 PHGLXP WR ORQJHU WHUP WKH DSSOLFDWLRQ RI \$, LC  
 FDQQRW EH LJQRUHG

---

6HH 6XVDQ 5D\WIRQLG\HVHHQ WLDQ\ 4X6W8QWYRQVLW\ 3UHVV WK H  
 \$PDUD ± \$PHULFDQ IXWXURORJLVW†

H-RXUQDO RI 7D[ 5HVHDFK YRO QR SS



H-RXUQDO RI 7D[ 5HVHDFK

\$XVWUDOLDQV \*67 GHVLJQ GLJLWLVD

WR WKH \$XVWUDOLDQ WD[ V\ VWHP GXULQJ WKH IROOP  
FDSLWDO JDLQV WD[ &\*7 IULQJH EHQHILWV WD[ )%7

&KDLUPDQ 6LU 5REHUW :LOOLDP &ROH 7KH &ROH &  
&RDOLWLRQ SDUWLHV WKDW ZRXOG VLJQLILFDQWO\  
+RZHYHU WKH &RDOLWLRQ SDUWLHV ORVW WKH µXQO

'XULQJ WKH HOHFWLRQ FDPDLJQ WKH WKHQ OHD  
SOHGJHG QHYHU WR LQWURGXFH D \*67 LI KH EHFDPH  
WKDW SOHGJH WKH &RDOLWLRQ JRYHUQPHQW FRPPHQ  
WKH \$XVWUDOLDQ WD[DWLRLQ V\ VWHP LQFOXGLQJ WK  
+RZDUG JRYHUQPHQW WRRN WKLW SDFNDJH RI UHIRUP  
HOHFWHG LQ 6HSWHPEHU DQG LPPHGLDWHO\ VH  
FRPPHQFH RQ -XO\  
7KH SDVVDJH RI WKH \$ 1HZ 7D[ 6\ VWHP \*RRGV DQG 6  
3DUOLDPHQW ZDV IDU IURP VPRRWK 7KH \*67 IUHH W  
JRYHUQPHQW SDLG WR KDYH WKH OHJLVODWLRQ SDV  
'HPRFUDWV 7KH \$XVWUDOLDQ 'HPRFUDWV ZRXOG SD\  
.H\ SROLF\ GHFLVLRQV PDGH GXULQJ DQG Z  
JRYHUQPHQW VXFK DV WKH \*67 IUHH WUHDWPHQW RI  
RI RYHUVHDV H[SHULHQFH VXFK DV WKH µSODFH RI V  
DQG WKH WUHDWPHQW RI ODQG JRYHUQPHQW DQG FK  
LQWHUQDWLRQDO WUDQVDFWLRQV RU ZHUH XQLTXHO\  
FUHGLW UHJLPH IRU ILQDQFLDO VHUYLFHV DQG DVS  
LQVXUDQFH

:KHQ LW FDPH WR GHVLJQLQJ WKH \$XVWUDOLDQ \*67 O  
DUH UDUHO\ GLVFXVVG LQ SXEOLF WKH LPSDFW RI  
DQG WKH 2UJDQLVDWLRQ IRU (FRQRPLF &R RSHUDWLR  
IRU GHVLJQLQJ D PRGHUQ HIILFLHQW WD[ V\ VWHP

.H\ SROLF\ GHFLVLRQV PDGH GXULQJ DQG Z  
JRYHUQPHQW VXFK DV WKH \*67 IUHH WUHDWPHQW RI  
RI RYHUVHDV H[SHULHQFH VXFK DV WKH µSODFH RI V  
DQG WKH WUHDWPHQW RI ODQG JRYHUQPHQW DQG FK  
LQWHUQDWLRQDO WUDQVDFWLRQV RU ZHUH XQLTXHO\  
FUHGLW UHJLPH IRU ILQDQFLDO VHUYLFHV DQG DVS  
LQVXUDQFH

:KHQ LW FDPH WR GHVLJQLQJ WKH \$XVWUDOLDQ \*67 O  
DUH UDUHO\ GLVFXVVG LQ SXEOLF WKH LPSDFW RI  
DQG WKH 2UJDQLVDWLRQ IRU (FRQRPLF &R RSHUDWLR  
IRU GHVLJQLQJ D PRGHUQ HIILFLHQW WD[ V\ VWHP

\*67/\$: '(6,\*1

7KH WD[ ODZ LPSURYHPPHQW SURMHFW

,Q WKH \$72 DQG WKH 2IILFH RI 3DUOLDPHQW DU\ &  
WR VLPSOLI\ WKH GUDIWLQJ RI \$XVWUDOLD¶V LQFRPH  
QRW SDUW RI WKH EULHI 5DWKHU WKH DLP RI WKH  
\$XVWUDOLDQ LQFRPH WD[ ODZ VLPSOHU HDVLHU WR X  
FRPSOLDQFH DQG UHGXFH FRPSOLDQFH DQG DGPLQLV

7KH 7/,3 PRGHO ZDV DGRSWHG DQG PRGLLHG IRU \$XV  
OHJLVODWLYH PRGHO FRQVLGHUHG 7KH VWUHDWPHQW  
PRGHO IRU WKH :LQH (TXDOLVDWLRQ 7D[ ZDV LQLWL  
VWUXFWXUDO FRPSOH[LWLHV RI D \*67

7KH 7/,3 PRGHO LV XQLTXHO\ \$XVWUDOLDQ \HW RIWH  
DQG SUDFWLWLRQHUV ,W KDV WKH IROORZLQJ IHDWX

x LW LV EDVHG RQ D S\UDPLG DSSURDFK ZKHUH FRU  
DSH[ RI WKH S\UDPLG %HORZ WKH FRUH FRQFHSW  
%HORZ WKH H[HPSWLRQV FKDSWHU UHVLGHV D FK  
WR WKH EDVLF UXOHV 8QGHUSLQQLQJ WKHVH F

H-RXUQDO ‰ 0



H-RXUQDO RI 7D[ 5HVHDFK

\$XVWUDOLD¶V \*67 GHVLJQ GLJLWLVD

2(&' SULQFLSOHV IRU GHVLJQLQJ D WD[ V\ VWHP

,Q WKH 2(&' UHOHDVHG WKH 2WWDZD )UDPHZRUN  
FRPPHUVH HVH IUDPHZRUN FRQGLWLRQV ZHUH FRQVLVW



0 1 n B B 2 E B A Γ E D n

H-RXUQDO RI 7D[ 5HVHDFK

\$XVWUDOLD[V \*67 GHVLJQ GLJLWLVD

,QWHUQHW VSHFLILFDOO\ PD\ KDYH,QRQX067 DQGWX\$7  
JRYHUQPHQW[V YLHZ ZDV WR PRQLWRU WKH LPSDFW  
VSHQGLQJ DQG DFW ZKHQ QHFHVVDU\ &OHDUO\ WKH  
ULJKW WR DSSO\ \*67 WR WKH LQERXQG FURVV ERUGH  
YDOXH JRRGV

7KH DQG \*67 ODZ FKDQJHV UHODWLQJ WR WKH  
VHUYLFHV LQWDQJLEOHV DQG ORZ YDOXH JRRGV GH  
V\WHPV KDYH LQ HIIHFWLQJ FRPSOLDQFH SURWHFV  
FRPSHWLWLRQ DQG PDLQWDLQLQJ μVLPSOLFLW\ [ LQ W

7KH DPHQGPHQWV

7KH DPHQGPHQWV ZHUH H[WHQVLYH DQG SURIRXQQ  
:KHQ \*67 FRPPHQFHG WKH μFRQVWZHQZHWKHQKUVW  
VWUDLJKWIRUZDUG 3ULRU WR WKH VHULHV RI DPH  
ZDV FRQQHFWHG ZLWK \$XVWUDOLD LQ WKH IROORZLQJ

x WKH VXSSO\ RI JRRGV ± LI WKH JRRGV DUH VXSSO  
\$XVWUDOLD RU WDNHQIURP \$XVWUDOLD

x WKH VXSSO\ RI UHDO SURSHUW\ ± LI WKH SURSHU

x WKH VXSSO\ RI DQ\WKLQJ HOVH VXFK DV VHUYL  
VXSSOLHG KDG WR EH

GRQH LQ \$XVWUDOLD

VXSSOLHG WKURXJK DQ HQWHU6HEWHRFDUUL  
RI WKH \*67 \$FW SURYLGHG LW KDV VLQFI  
LV FDUULHG RQ LQ \$XVWUDOLD ZKHUH LW LV  
HVWDEOLVKPHQW )RU WKLV SXUSRVH WK  
HVWDEOLVKPHQW LQFRPWLFDQ \$VVHVWPHQW S  
ZDV PRGLLHG EXW RQO\ IRU \*67 SXUSRVHV

WKH VXSSO\

f

H-RXUQDO RI 7D[ 5HVHDFK

\$XVWUDOLD¶V \*67 GHVLJQ GLJLWLVD

*f*













IIHFWLYHO\ FRPSHWLQJ ZLWK RSHUDWRUV RI SUHPL  
UHVLGHQWLDO DFFRPPRGDWLRQ VXFK DV KRWHO

&XUUHQWO\ IHZ SURYLGHUV RI DFFRPPRGDWLRQ WKU  
SXUSRVHV ,W LV DOVR OLNHO\ KRWHO KDYH DFFHSV  
VRXUFLQJ DFFRPPRGDWLRQ DQG KDYH DGDSWHG WKHL  
RQ FRQVXPHUV ORRNQJ IRU D KRWHO H[SHULHQFH

5HJDUGOHVV WKHUH LV OLWWOH GRXEW PDQ\ SURYLG  
FDUU\LQJ RXW DFWLYLWLHV LQ D EXVLQHV OLNH PD  
PDQ\ FDUHV H[FHHG WKH \*67 UHJLVWUDWRQ WKUHV  
KRWHO PRHOV KRVHOV DQG ERDUGLQJ KRXVHV  
ORRNQJ IRU UHYHQXH ZRXOG QRW ORRN DW WKLV  
UHYHQXH ,W ZRXOG DOVR EH KDUG IRU RSHUDWRUV  
,Q IDFW LW VRXQGV YHU\ IDLU

\$ 7\$; 21 &21680(56:,7++2/ ',1\* 58/(6 )25 6\$/ ( 2) 1(: 5(6, '(17,\$/  
35(0,6(6

:KLOH QRW UHODWHG WR GLJLWLVDWRQ , KDYH LQF  
ZLWKKROGLQJ UXOHV UHODWLQJ WR WKH VDOH RI QHZ  
\*RYHUQPHQW KDV VRXJKW WR SURYLGH DQ HOHPHQW  
RUGHU WR FRXQWHUFW \*67 IUDXG E\ D IHZ

7UHDVXU\ /DZV \$PHQGPHQW &HWK\XUHV OHRDVXUHV  
\$FW DPHQGHVWKH \$GPLQLVWV \$DWRQVWLQJ QH  
GLYLVLRQ ( LQWR 6FKHG XOH RI WKDW \$FW 7KHVH  
,Q WKH VHFRQG UHJLQJ VSHHFK UHODWLQJ WR WKH  
6HUFLFHV 0V .HOO\ 2\Z\HU VDLG WKDW WKH ELOO  
SKRHQL[

,Q LWV VLPSONHV IRUP SKRHQL[LQJ LQ D WD[ FRQW

x D FRPSDQ\ GLVSRVLQJ RI FHUWDLQ DVVHWV RU S  
SDUWLHV DQG LQFXUV D WD[ UHODWHG GHEW

x WKH FRPSDQ\ HQWHUV LQWR OLTXLGDWRQ KROG  
WD[ OLDELOLW\ RQ LWV ERNV

x WKH LQGLYLGXDO V ZKR IIHFWLYHO\ GHULYHG  
LQVROYHQW FRPSDQ\ HPHUJH μIURP WKH DVKHV  
LQGLUHFV LQVROYHPHQW ZLWK D VHSDUDWH FRP  
\$72 \HW DQG

x WKLV QHZ FRPSDQ\ ZLOO IROORZ WKH SDWK RI LW  
LW JRHV RQ

,W LV FOHDU WKH &RPPLVVLRQHU EHOLHYHG KH HLWK  
LQGLYLGXDOV RU WKH UHOHYDQW WD[ OHJLVODWRQ



- x WKH DPRXQW RI \*67 WR EH ZLWKKHOG LV WR EH EHIRUH WKH SD\PHQW RI DQ\ RI WKH FRQVLGHUDV
- x WKH SD\PHQW RI D GHSRVLW GRHV QRW FRQVWLW SD\DEOH IRU WKH VXSSO\ RI WKH SURSHUW\ DQG RQ WKH SXUFKDVHU WR ZLWKKROGLQJ REOLJDWLRQ ZKHUH D GHSRVLW LV QR ZLWKKROGLQJ REOLJDWLRQ ZKHUH D GHSRVLW
- x KRZHYHU ZKHUH D SXUFKDVHU DFTXLUHV D SURSHUW\ SD\DEOH E\ LQVWDOPHQWV WKH SXUFKDVHU LV U\ \*67 RQ WKH IXOO SXUFKDVH SULFH RI WKH SURSHUW\ LQVWDOPHQW SD\PHQW LV PDGH
- x SXUVXDQW WR VHFWRQ RI 6FKHGXOH RI ZLWKKHOG LV RI WKH FRQWUDFW SULFH XQO\ PDUJLQ VFKHPH DSSOLHV WKH DPRXQW WR EH ZLWKKROGLQJ SULFH
- x LI WKH FRQWUDFW VSHFLILHV D SULFH WKDW LV V\ ZLWKKHOG LV GHWHUPLQHG RQ WKH DERYH EDVLRQ DQ\ DGMXVPHQWV ,I WKH FRQVLGHUDWLRQ LV DPRXQW WR EH ZLWKKHOG LV FDOFXODWHG E\ U\ XQGHU WKH FRQWUDFW
- x ZKHUH WKHUH DUH PXOWLSOH UHFLSLHQWV RI D WKHP DV UHFHLYLQJ D VHSODWH VXSSO\ DQG ZLWKKROGLQJ REOLJDWLRQ LQ UHVSHFW RI WKHLU
- x MRLQW WHQDQWV DUH WUHDWHG DV LI WKH\ ZHUH WHQDQWV ZRXOG EH MRLQWO\ OLDEOH IRU WKH ZFRPPRQ ZRXOG KDYH D VHSODWH REOLJDWLRQ W
- x VXSSOLHUV RI SURSHUW\ DUH UHTXLUHG WR QRW ZKHWKHU WKH VXSSO\ ZLOO EH VXEMHFW WR WKDW \*67 LV WR J`ÀEH H



5HVLGHQWLDO SUHPLVHV FDQ UHPDLQ QHZ IRU ILYH \M  
 )RU \*67 SXUSRVHV UHVLGHQWLDO SUHPLVHV DUH Q  
 SUHPLVHV KDYH RQO\ EHHQ XVHG WR PDNH LQSXW WD  
 \HDUV 7KH &RPPLVVLRQHU¶V YLHZ LV WKDW WKH U  
 FRQWLQRRXV ,I WKH SUHPLVHV KDYH EHHQ XVHG IRU  
 WD[HG VXSSOLHV WKH ILYH \HDU SHULRG VWDUWV  
 FRQVLGHUDEO\ PRUH WKDQ \HDUV ROG DQG VWLOO  
 EHFDXVH LW KDV QRW EHHQ XVHG WR PDNH LQSXW W  
 SHULRG +RZ LV D SXUFKDVHU ZKR LV JHQHUDOO\ X  
 ZKHWKHU D SURSHUW\ LV QHZ"

:KHUH ODQG LV VROG WKDW FRPSULVHV QHZ UHVLGHQ  
 ODQG DQG FRPPHUFLDO SUHPLVHV IDUPLQJ ODQG RU  
 DV µQHZ¶ DQ DSSRUWLRQPHQW H[HUFLVH ZLOO QHHG  
 WKLV H[HUFLVH DQG KRZ H[SRVHG D SXUFKDVHU LV I  
 SXUFKDVHUV FDXVH IRU FRQFHUQ

)UDXG SUHYHQWLRQ Y NHHSLQJ FRPSOLDQFH FRVWV ORZ

7KH ZLWKKROGLQJ SURYLVLRRQV DUH GHVLJQHG WR FR  
 DUUDQJHPHQWV 6XFK DUUDQJHPHQWV DUH IUDXGXOH  
 DLPHG DW SXQLVKLQJ IUDXG DQG WKH SHUSHWUDWRU  
 SURSHUW\ GHYHORSHUV DQG WKHLU XQUHJLVWHUHG F



DSSURSULDWH WR TXHVWLRQ ZKHWKHU \$XVWUDOLD¶V  
LV WKH ULJKW DSSURDFK

,QSXW WD[LQJ ILQDQFLDO VHUYLFHV LV WKH FRPPR  
+RZHYHU VXFK D V\WHP LV LQKHUHQWO\ IODZHG LQ  
ILQDQFLDO LQVWLWXWLRQ LV HPEHGGHG LQ D QRQ UH  
:KHUH WKRVH VHUYLFHV DUH DFTXLUH E\ DQ HQWLW\  
EH HPEHGGHG LQ WKH SULFH RI WKRVH VHUYLFHV DQ  
FKDLQ 7KLV ZDV UHFRJQLVHG E\ WKH 1HZ =HDODQG J  
1HZ =HDODQG \*67 ODZ KDV ]HUR UDWHG ILQDQFLDO  
EXVLQHVVHV

7KH GUDIWLQJ RI WKH ILQDQFLDO VXSSO\ SURYLVLRQ  
UHSHWLWLYH FRPSOH[ DQG WKH DQWLWKHVLV RI SU

ORVW \*67 DQG 9\$7 V\WHPV GHQ\ LQSXW WD[ FUHGLWV  
DFTXLUH WR PDNH FHUWDLQ ILQDQFLDO VHUYLFHV )  
D UHIHUHQFH WR FHUWDLQ DFWLYLWLHV VXFK DV WK  
DQG SXUFKDVH RI VKDUHV HWF ,Q \$XVWUDOLD LW Z  
EHLQJ D SURSHUW\ LQWHUHVW LQ D SDUWLFXODU WK  
LQWHUHVW LQ D FUHGLW DUUDQJHPHQW HWF \$Q XQZ  
WR WUHDW DQ DFTXLVLWLRQ RI DQ LQWHUHVW LQ D IL

,W LV XQFOHDU ZK\ WKRVH GUDIWLQJ WKH ILQDQFLDO  
WKDW WKLV GUDIWLQJ ZDV WKH EDVLV RI 7UDYHOH[¶V  
RI DQ LQWHUHVW LQ )LMLDQ FXUUHQF\ ZDV D ULJKW  
IUHH

6XSSOLHV E\ ILQDQFLDO LQWHUPHGLDULHV DUH QRW  
VXSSOLHV DQG DUH WD[DEOH 7R PLWLJDWH FL WHG



H-RXUQDO RI 7D[ 5HVHDFK

\$XVWUDOLD¶V \*67 GHVLJQ GLJLWLVD

,I WKH &RPPLVVLRQHU LV RSHQO\ FRQWHP SODWLQJ E\  
\*67 \$FW IRU FUHGLW FDUG LVVXLQJ EXVLQHVVHV LQ  
JRYHUQPHQW WR FRPSOHWHO\ UHFRQVLGHU WKHVH  
SURIHVVLRQDO RI \HDUV LW LV DVWRXQGLQJ WKDW

H-RXUQDO RI 7D[ 5HVHDFK

\$XVWUDOLD¶V \*67 GHVLJQ GLJLWLVD

WKHLU UHVSQRVLELOLWLHV LQ WKLV DUHD ,W LV FKH

H-RXUQDO RI 7D[ 5HVHDFK

\$XVWUDOLD¶V \*67 GHVLJQ GLJLWLVD

D GHFUHDVLQJ DGMXVWPHQW IRU \*67 UHJLVWHU  
FRYHUHG E\ 'LYLVLRQ IRU XVH LQ WKHLU EXVL  
D VLPSOLILHG DSSURDFK VLPLODU WR WKRVH DGR

&

H-RXUQDO RI 7D[ 5HVHDFK

\$XVWUDOLD¶V \*67 GHVLJQ GLJLWLVD

7KHUH LV PXFK WR EH OHDUQW IURP WKH SDVW DQG  
PXVW DOVR ORRN WR WKH IXWXUH DQG SODQ IRU FKD















H-RXUQDO RI 7D[ 5HVHDFK

)LVFDO QHXWUDOLW\ IR

SURYLGHV PRUH GHWDLO @ HQ HQKLO\ \$PHULFDQ WKHRU  
5HJDUGLQJ WKH )UHQFK 79\$± &DUO 6KRXS REVHUYHG

7KH ODWHVW LQQRYDWLRQ LV WKH YDOXH DGG  
LOOXVWUDWHV WKH SURFHVV E\ ZKLFK D VRUW R  
QRZ DQG WKHQ JLYHV ULVH WR DQ LQYHQWLRQ R

2WKHU FRPPHQWDWRUV KDYH SRLQWHG RXW WKDW  
C8 DKLRWQJ2 0









H-RXUQDO RI 7D[ 5HVHDFK

)LVFDO QHXWUDOLW\ IR

V\|VWHP RI YDOXH DGGHG WD[DWLRQ¶ ±7WIK DMX E JHL QJ D G  
H[SUHVVHG VLPLODU YLHZV \*67 QDQGI WUKHIZRLQD QVRL DMX IR

5REHUW 2OGLQJ QRWHG LW ZDV QRW VXUSULVLQJ WKD  
2QH FRPPHQWWRU KRZHYHU WKRXJKW WKH IDFWV  
H[SORUH WKH LWXQJH UHSHDWHG HDUOLHU YLHZV DE  
RXU \*67 QRWHG VRPH RI LWV XQLTXH IHDWXUHV DQG  
GHSDUW IURP IRUHLJQ PRGHV +H DOVR UDLOHG DJ  
DQDO\VLV¶ DV D SURSHU WRRO IRU UHQARWHYDQJ DZSKDWH  
WKH VWDQGDUG SXUSRVLYH DSSURDFK UHTXLUHG E\ V

/HJLVODWLYH VFKHPH

-XVWLFH +LOO VDLG WKLW DSSURDFK UHTXLUHV WKH  
HIIHFW WR OHJLVODWLYH SXUSRVH WR EH LGHQWLIL





H-RXUQDO RI 7D[ 5HVHDFK

)LVFDO QHXWUDOLW\ IR

H-RXUQDO RI 7D[ 5HVHDFK

)LVFDO QHXWUDOLW\ IR

SKLORVRSK\ WR EH IRXQG LQ WKH LQWHUSUHWD  
SDUWLFXODUO\ WKH (XURSHDQ 8QLRQ PD\ LQIC  
\$XVWUDOLDQ \*67 7KLV LQ WXUQ OHDGV WR D F  
(XURSHDQ 8QLRQ 'LUHFWLYHV RQ KDUPRQLVDWLI  
WKDW SKLORVRSK\ DQG LQ LQWHUSUHWDWLYH U

H-RXUQDO RI 7D[ 5HVHDFK

)LVFDO QHXWUDOLW\ IR

1HLWKHU LV SROLF\ D UHIOHFWLRQ RI RU WR EH GHUL  
RXW ,W LV DQ REMHFWLYH H[HUFLVH XQGHUWDNHQ E  
WKHUH LV WKH QRWRULRXV IDFW WKDW H[WULQVLF P  
SROLF\ RU SXUSRVH OHW DORQH IL[LQJPHLOOLHUSUH  
RU WUDQVODWH WKDW SXUSRVLYLVP KDV LWV FRQVW  
μFRXUWV FDQQRW DFW DV OHJLVODWRUV¶ WR FXUH C  
UHYHDOH )XOO )HGHUOOWDSSHLOQ\WUHV ODWHU UH  
REYHUYDWLRQ DV RQH RI μHQGXULQJ ZLVGRP¶

,QWHULP UHIOHFWLRQV

-XVWLFH +LOO OHDYHV D IRUPLGDEOH OHJDF\ QRW M  
ODZ DV ZHKO&KLHI -XVWLFH RI WKH )HGHUO &RXUW  
-¶V GHGLFDWLRQ WR WKH UXOH RI ODZ DQG WR WKH  
VHUFLFH WR WKH FRPPXQLW\ DV D ODZ\HU D VFKROD  
RXU FRXUW¶HVVRU 9DQQ ULJKWO\ FDOOHG KLP D µWD[

:H QRZ KD-YHVWKH \*UDKDP +LOO OHPRULHG 6SFKFKD  
+RQRXU¶V KRQRXU ,Q WKH +3VSHUHFZOWLUDH- RMDWGH  
MXGJH¶V µJUHDW¶HVO OHG BFEHV¶HG WKH MXGJPHQW D  
MXULVSUXGHFH¶V - FDOOHG LW D µWHRSDOWH IR  
FKDUDFWHULVHG LW µLQ WHUPV RI LWV PDVWHUO\  
WD[DWL,RQ¶KH VSHFLDO OSHUHL DSSQLFODWHVQ &RWHIHU  
WR3 OHUFDOWLUDH¶XVWLFH +LOO NQHZ SHUKDSV PRUH D  
DQ\RQH LQ \$XVWUDOLD ZLWK GXH GHIHUHQFH WR \RX  
KLV SDVVLQJ µOHIV D YRLG LQ WKH \$XVWUDOLDQ MXG

-XVWLFH +LOO QHYHU JRW WR VHH KRZ KLV PXVLQJV  
LQWHUSUHWDLRQ PLJKW UHVROYH LQ WKH \HUV  
TXHVWLRQ ,W ZRXOG WDNH D IXUWKHU IRXU \HUV IR  
±5HOLDQFH &DPSMWHUV RI VWDWXWRU\ LQWHUSUHW  
WKH ZD\ LQ ZKLFK +LOO - VDZ WKH ZRUOG RI OHJLVOD  
LQ KLV GHGLFDWLRQ WRPPHQLQJ ZKLFKLSOB FRQVHQV

2QH FRPPHQWWRU VDLG KH KDG µTXLWH VWURQJ YLF  
WKH ZURQJ ZD\ WRKGR XQGLQJWWDDWHV WKH SRVLWLRQ  
+LOO - ZURWH RU ZKR RWKHUZLVH NQHZ KLP ZLOO DSS  
ZD\ KLV V\VWHPLF FRKHUHQFH FRQVWUXFWLRQDO  
DQWLFLSDWHG ODWHU DUWLFXODWLRQ RI WKIRWH HOH  
µVFKHPH RI OHJLVODLWLRQ¶DPSRORQK\HQ &DDUW WD[

(GPRQKH-&RQWULEXWLRQV RI -XVWLFH +LOO WR WKH 'HYHORS  
-RXUQDO RI WKH \$XVWUDODVLDQLDEXVMDFFKHUUDKSDV/R EODDOLRRUL  
7D[DWLRQ LQ \$XVWUDOLDPSOH  
%ODFKH+RQ -XVWLFH \*UDKDP +600%DU 1HZV -RXUQDO RI WKH  
\$VVRFLDWLRQ  
%XILQDQL7LWDQ ZDV QR KHLU EXSXJKDQV DVOUWV6 HDJQ DIFHDVQFLDO 5H  
.LUE-XVWLFH\*UDKDP +LOO OHPRULDQV LRSQH EK\$XVWUDOLD  
\*]HDOH /HJDF\ RI -XVWLFH 70SD KQX+LOO Q RQYHQWLRQ 6RXWK \$XV  
SDSHU  
(GPRQVEXWH WR WKH ODWH /DZWLFXHQ FULDKDDP +RQWVRS SDSHU  
/RJDQKHU DUH ZH ZLWK \*67 ± EODFN OHVWH70SR UDWK RSDU DFWL  
,QWHQVLYH &RQHWUHQH SDSHU  
\$PHULFDQ ([SUHV :KROHVDH &XUHQF+ \$SHUQMV 3WDWWG Y )&  
0LOKH 'HVWLQDWLRQ 3ULQFLSOH 3DVW 'HQHORSFRFWG GDQG )X  
\$XVWUDOLD /RRNLQJ )RUZDUG DWRP WKH )LUVW 'HFDGH  
)&7 Y 5HOLDQFH &DUJSHQ &R\$3W\ /WG  
FI 20GLQQGV LQ WKH ,QWHUSUH\$VWLFHQKQD0670DDZG ,QGLUHF  
:HHHQG :RUVRS>SDSHURZDWHQFRXUWV KDYH LQWHUSUHWHG \*  
7D[DWLRQ LQ \$XVWUDOLD  
3KDKH \*67 MXULVSUXGHQFH RI WKH @DWHV\*\$VWLFHQHUBQBR \$DSE  
DW  
(GPRQVHUSUHWDLRQ RI V 6LJQLILFDQFH \$16WKH WDWV F  
DJUHHV

H-RXUQDO RI 7D[ 5HVHDFK

)LVFDO QHXWUDOLW\ IR

GHFLVLRQ \H~~B~~H~~V~~D~~O~~D~~B~~O~~L~~D~~H~~L~~G~~ FRXUWV VKRXOG QRW E  
GUDIWLQJ GHILFLHQFLHV ZKLFK UHYHO LQ REVFXULW\  
\$V , UH DG DJDL~~Q~~R-~~X~~Q~~W~~L~~F~~H~~S~~U~~H~~O~~R~~W WUDQVODWH"



H-RXUQDO RI 7D[ 5HVHDFK

)LVFDO QHXWUDOLW\ IR

2QO\ WLPH ZLOO WHOO

(DUO\ LQ RXU \*67 MRXUQH\ 3URIHVVURU 0LOODU DVNHG  
GHYHORS LWV RZQ YHUVLRQ RI QHXWUDOLW\ WIRJZBQQ\  
\HUV DQG WKH DQVZHU QRZ JLYHQ E\ KHU LV WKH VL  
GHULYHG IURP 'LY SURYLVLRQV 7KLV LV D FRQFOXV  
±7KH SULQFLSOH RI QHXWUDOLW\ LQ \$XVWUDOLDQ \*67





H-RXUQDO RI 7D[ 5HVHDFK

)LVFDO QHXWUDOLW\ IR

SURYLVLRQV PRUH XVXDOO\ LQYROYH D FRPSURPLVH  
JHQHUDO SROLF\ FDQQRW EH UHMG DV WKH ODZ PXVW

2Q WKH IXWXUH ~~U3~~ ~~LP~~ ~~SD~~ ~~DE~~ ~~QW~~ ~~RI~~ ~~OH~~ 2OGLQJ HOVHZKHUH VXJ  
DYRLGDQFH DV D NH\ IHDWXUH RI WKH WD[ μZLOO FRQ  
EXW ~~W3K~~ ~~D~~ ~~W~~ ~~U~~ ~~F~~ ~~D~~ ~~Q~~ ~~W~~ ~~L~~ ~~O~~ ~~H~~























































































































H-RXUQDO RI 7D[ 5HVHDFK

)LVFDO QHXWUDOLW\ IR

*(OLGD \*LEEV /WG*

'RPLQDQFH RI QHXWUDOLW\

,Q WKLV μPRQH\ RI (IOEBSRUEF&V(B H[SODLQHG WKDV











































































H-RXUQDO RI 7D[ 5HVHDFK

)LVFDO QHXWUDOLW\ IR

%XW LV RXU \*67 ODZ UHDOO\ PFK GLIIHUHQW IURP DG  
WKH OHJUDWLRQIRFVW[DPSON" \$JDLQ WKH DUJXPHQW KHU  
WKH VW\OH RI RXU OHJLVODWLYH GUDIWLQJ UDWKHU

:KDW HPHUJHV LQ LV D SLFWXUH LQ PRVDLF IRUP  
WKH \*67 VWDWXWH VHW DJDLQVW WKH EDFNGURS RI W  
D μOHJLVODWLYH IUDPHZRUN IRU \*67 DGPLQLVWUDWL  
TXLOW ORRVHO\ NQLWWHG WRJHWKH 6RPAHD\GLPLQLVWUDWL  
SULQFLSOHV¶ RI WKH NLQG IODJJHG DW WKH WHQ \HD

\$V WKH \HDUV SDVV WKH ZLGHU PRVDLF VKRXOG  
μDFFXPXODWLRQ RI H[SHULHQFH¶ SURYLGHG E\ GHFLG  
WHVWLQJ 7KLV ZLOO EH GULYHQ E\ SURWRFROV RI  
G\QDPLWKRXXJK QRW LQ WKH VDPH ZD\ DV LQ WKH (8 D  
0U 5RPSHOPDQ WR RXU VKRUHV :H DQG KH DUH SDVV

:KLOH WKH LGHD RI D IXOO\ KDUPRQLVHG LQWHUQDW  
μWKHRUHWLFDQ\ GHVLUDEOH REMHFWLYH¶ WKHUH L  
QRZ OHJLVODWH WR DGRSW (8 VW\OH QHXWUDOLW\ Z  
DIWHU WKH HYHQW REMHFWV FODXVH 7R GR VR ZRXO

0XFK RI WKLV QRWH LV DERXW VWDWXW H VPPHPE @ R

H-RXUQDO RI 7D[ 5HVHDFK YRO QR SS

7KH \$XVWUDOLDQ \*67 FURVV  
JOREDO FRQWH[W

OLFKDHO :DOSROH

\$EVWUDFW

7KLV DUWLFOH EXLOGV RQ SUHYLRXV UHVHDFK E\ WKH DXWKRU H[DPLQLQJ  
ERUGHU VXSSOLHV LQ D QXPEHU RI FRXQWULHV DQG KLJKOLJKWV WKH LPPH  
RSHUDWHV LQ WKLV FRQWH[W LQ \$XVWUDOLD VLQFH WKH \*67 ZDV LQWURG  
HYDOXDWHG LQ OLJKW RI JOREDO SUDFWLFH DQG LW LV FRQFOXGHG LQ SDU  
WD[ WR LQWHUQHW SODWIRUP VXSSOLHUV 7KH SRLQW LV DOVR QRWHG WKD  
WKH μVKDULQJ HFRQRP\ LQ D VLPLODU PDQQHU VKRXOG WKH GHFLVLRQ EH

.H\ ZRUGRGV DQG VHUylFHV WD[ GLJLWDO HFRQRP\ FURVV ERUGHU VXSSO

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6FKRRO RI 7D[DWLRQ DQG %XVLQHVV /DZ 816: %XVLQHVV 6FKRRO

H-RXUQDO RI 7D[ 5HVHDFK

7KH \$XVWUDOLDQ \*67 FURVV ERUGHU UXO

,1752'8&7,21

7KLV DUWLFOH RQ WKH WK DQQLYHUVDU\ RI WKH \$X  
VHQVH DQ XSGDWH RQ D SUHYLRXV SXEOLFDWLRQ WK  
FURVV ERUGHU VXSSO\ UXOHV IRU WKH VXSSO\ RI LQ  
DSSURDFK WR WKLV SUDFWLFDOO\ GLIILFXOW FKDOO

H-RXUQDO RI 7D[ 5HVHDFK

7KH \$XVWUDOLDQ \*67 FURVV ERUGHU UXO

VXSSOLHV E\ \*67 UHJLVWHUHG EXVLQHVVHV ,Q WKRVH  
GR QRW UHYHUVH FKDUJH DQG WKLV VHHPV YHU\ VHQ  
,Q WKH JURXS RI FRXQWULHV ZKRVH UXOHV WKH VWXC  
UHTXLUH IRUHLJQ VXSSOLHUV WR UHJLVWHU LI PDNL  
UHTXLUHPHQW ZDV LPSRVHG LQ 7KH UHTXLUHPH  
2FWREHU DQG LQ \$XVWUDOLD LQ 7KH LGHD LY  
UHSRUWHG VXFFHVV LQ IRUHLJQ VXSSOLHUV SHULDUAN  
KDG DOUHDG\ EHJXQ WR VKRZ VLJQV RI DGRSWLQJ W  
ZLWKLQ (8 0HPEHU 6WDWHV 7KH VDPSOH FRXQWULHV  
GHILQLWLRQV ZHUH RI VXSSOLHV WKDW WULJJHU D  
GHILQLWLRQ VHHPV WKH EURDGHVW LQFOXGLQJ VXSS  
LQWDQJLEOH FRQVXPHU VXSSOLHV¶































H-RXUQDO RI 7D[ 5HVHDFK

7KH \$XVWUDOLDQ \*67 FURVV ERUGHU UXO

	VXSSOLHU LQ VRPH VLWXDWLRQV DV PDNLQJ D VXS \$XVWUDOLE	
6HFWLRQ	(VWDEOLVKHV ZKHQ HQWLWLHV DUH WUHDWH VWDWHV WKDW WKH *67 UXOHV DSSO\ WR \RX DV LI \$XVWUDOLDQ FRQVXPHU RI D VXSSO\ LI	

H-RXUQDO RI 7D[ 5HVHDFK



H-RXUQDO RI 7D[ 5HVHDFK

86 VWDWH W:DDLLRQ RI FU

,1752'8&7,21























7KH &RXUW IXUWKHU REVHUYHG μWKDW WKH &RPPHUF  
 IURP HQJDJLQJ LQ HFRQRPLFRGRFWRUPLQDWLRQFHUW  
 SXUSRVH RI WKH &RPPHUFH &ODXVH WR SHUPLW WKH  
 7KH SK\VLFDQ SUHVHQFH UXOH KRZHYHU μSXWV ERW  
 EXVLQHVVHV ZLWK SK\VLFDQ SUHVHQFH DW D FRPSH  
 VHOOHUV 5HPRWH VHOOHUV FDQ DYRLG WKH UHJXOD  
 GH IDFRZHU SULFHV FDXVHG E\ WKH ZLGHVSUHDG IDLO  
 WKHLU RZQ SK\VLFDQ SUHVHQFH UXOH DOVR μSURGXF  
 SUHVHQFH LQ PXOWLSOH VDWHRUWLQJ EXVLQHVV G  
 DOORFDWLRQ RI UHVRXUFHV DQG JLYLQJ ULVH WR HFR  
 SK\VLFDQ SUHVHQFH UXOH LV QHFHVVDU\ WR HQVXUH  
 QRW FUHDWHG E\ WKLV &RXUW V SUHFHGHQW V

7KH &RXUW DOVR FRQWUDXVZHG KWKHIRUVIDOVLWL YH  
 DQDO\VLV RI SXUSRVHFERDGHGILQFWRIGHUQ &RPPH  
 MXULVSDXGLOFRWHG μWUHDWV HFRQRPLFDOO\ LGH  
 DUELWUDU\WKHD&RXUW GHPRQVWUDWHG WKLV SRLQW  
 REOLJDWLRQV RI D VPDOO \HW SK\VLFDQO\ SUHVHQW  
 RQOLQH UHWDLOHU PDNLQXLOOHV QDWLRQZLGH 8QG

















:D\IDLU



:D\IDLU

:D\IDLU

6WDWH PDUNHWSODFH SODWIRUP OHJLVODWLRQ

:D\IDLU



:D\IDLU






:D\IDLU

GRNDYH SURSHUW\





