

(QJLQHHULQJ 3URJUDP 5HYLHZ
5DP 6XEUPDQLDP
'HDQ
6WDQGDUG

(FHHGV H[SHFWDWLRQV IRU DOO \$GRULLWWHULVDOO FULWHULD OH\$GNGUWKKWH
(FHOOHQW 6WDQGDUG 1HHGV 0DM

5HDGHU)HHGEDFN

3ULPDU\IXQFWLRQ VHUYLFH RU WWDQHFLQW LW LV DOLJQHG LQ LWV VWDWPHQW LQ

5R0 4QPDW @BLHQKQFZLWLRQF RDQGCRSHUNRGRXWLQWD DZUHD DQHGXFDWHG ZRUNIRUFH

RWKHUZLVH FOHDUO\ VWDWPHG , ORSHYMHWHKH (QJLQHHULQJ 0LVVLRQ 6WDWPHQW

LQFOXVLRQ RI DOO VWXGHQWV FDQHJDWQDHWFLWKH PHDQV DFWLYLWLHV RU

WKHLU SULRU H[SRVXUH WR HQJLQHULQWQHV E\ ZKLFK VWXGHQWV FDQHMGNDQVSHBWMDRWDRQV IRU DOO \$GRULLWWHUL

6KRXOG DQ LQGLFDWLRQ WKDW WEKHUFD DQDQH\$WV GHJUHH SURJUDPFRIODQHULQVLWLRQ 6WDQGDUG

GHJUHH LQ HQJLQHHULQJ EH LQFDQHULQ#6WDQGDUG

PLVVLRQ VWDWPHQW"

5HDGHU)HHGEDFN 1RW FOHDU KRZ WKHVH ZLOO EH PHDVXUHG" \$JDLQ , WKLNQWKLWVKHV3Z2HO0H

GHVFULSWLRQ KLWV DOO FULWHULDQD BRQPSU

GHVLJQHG ZLWK WKH VWXGHQW MXWWDQFRSPRLQ

RXW RI KLJK VFKRRO LQ PLQG , WIKQQQ\WIKQW

3/2 VSHDNV WR WKDW WDUJHW DXFRPLHQXQHLD

VLPSOH GLUHFW RXW \$OVR

ZRUNSODFH

HQJLQHHUV

REYLRXV W

SKLORVRSK

%)7(6 (QUROOPHQW 7UHQGV

:KDW GRHV WKH)7(6 GDMWQ KADUHQSFUHDVHG RYH) (W KHD WGPHT UHDVHG RYH) (W KHD WGPHT UHDVHG RYH) (W KHD WGPHT UHDVHG RYH)
LQGLFDWH"
VSDQ E\ WR 1HHGV SDRQHE\ JUHDWHU WKDQ VSDQ HENGIWHDWHU WKDQ JUHDWHRQ WKDQ 1HHGV
,PSURYHPHQW WR OHHW WRMIRGW DPGSUDUQPHQW WR OODHMRWU WRSHURYHPHQW WR ,@ISHWYMRHQW WR OHHW WKH
6WDQGDUG 6WDQGDUG

+RZ PDQ\ FULWHULD DUH 7KHHWQDQWUDKWL YH QD WUDKHWFLWHLQFLDXGFKHDQDUURDIWVKH LQFOXGFKHDQDUURDIWVKH LQFOXGHV
WUHQG QDUUDWLYH H[SADQWLRQ IHR,UP \$U(FYHPHQFWIWRHQHLDW WHKHHWV WKH FWDFQBDUQ 0HHWV WKH @WBWGDWIGH 6WDQGDUG
6WDQGDUG bQ% p°€0 @PP@pÀ•€0À`ð€p€`0@ðð0p0 "A RI WKH

+RZ PDQ\ FULWHULD DUH 7KHHWQDQWUDKWL YH LQFOXGFKHDQDUURDIWVKH LQFOXGFKHDQDUURDIWVKH LQFOXGFKHDQDUURDIWVKH LQFOXGHV
SURSRVHG DFWRUQ QDUUDWLYH 0HHWV WKH FWDFQBDUQ 0HHWV WKH FWDFQBDUQ 0HHWV WKH FWDFQBDUQ 1HHGV 0DMRU ,F
WKH 6WDQGDUG

5HDGHU)HHGEDFN /RRN IRUZDUG WR ZRUNLQJOLQHWVKH QLQHZHWLRQ YTHQH IRUVISRQVLRQWR TXHVWLRQ GRHV QRW
VXJJHVVHG WR LPSURYH LYQFLQJDEIOHGVDWQGZLWKLQ LWV QDUUDWLYH DQG
WUHQH\ DUH EROG DQG GDRHJW HQRWYLHQGLFDWH ZKDQ VSHFLILF LVVXHV
NQRZ WKDW RYHU WKH SDFRWOG\ERUWVQHFWHG RWKHU WKDQ WKDW WKHUH
VFKRODUVKLS DSSOLFDWLRQWRKHDQYRIXU\DHQQUROOPHQW IRU WKH
WKEVhad\RDW•DUH SDUW BUWJKUDRQJGLQSHDWWLRQW KDV VKRZQ
SURJUDP VHHP SURXG RI WKKDWUWKH\ UHFRJQLJH WKH QHJDWLYH
DFFRPSOLVKPHQWV DQG ZHQDVRQDQFHQWDWUHQG DQG LQGLFDWHG WKDW WKH
DFKLH\ RQO\ WKDW WKLHW\ \VORL\ M\H\Z\W\K\ VFKHGXOLQJ UHGXFWLRQV
FRQILGHQW WKDW WKH\ DZULHW\ HOOQG\WSPUSHKDD\U\GRQ\ ILOOHG VHFWLRQV
NQRZ WKLV LV D\KDO\RMWDQ\W\K\ WKDQ YIDH\W\Q\W\K\ VFRXUVH RI
LPSUHVVL\ \LNUH\W\K\ IRU\K\DOB WKLV PDNHV VHQVH DW IDFH YDOXH
WKLQNLQJ SODQLQJ RI ZKUH\UQJ\ZK\W\K\ WR TXHVWLRQ GRHV QRW
&ROOHJHV DQG 8QLYHUVLFVRLQH\QFR\EP\W\Q\W\K\ WP\W\K\ VHFWLRQV
VSHFLILF SDWKZD\V DQGDZQGU\NQ\Q\W\K\ WKH YDULHW\ RI WKH
FRXQVHORUV DQG VFKHGK\W\K\U\W\K\RI\W\K\ P\W\K\ V\W\K\ WKRVH
QHHGV RI WKH VWXGHQW\W\K\U\W\K\ VHFWLRQV ZRXOG EH ILOOHG
/RRNLQJ DW WKH FRXUVH VFKHGXOHV IURP
WKLV SDVW DFDGHPLF \HDU

, WKLQN WKDW WKH SRVL\$W\$VIRGSXOFDQLVYIWKHLQFWKRWIMHULRQD D JWRG H G SHDUW & ZDRIKDYH IRU LPSURYLQJ SURGRXFWLLYQLWXRWHWZR\HDURVS\$RUDWXXQELWWDAQRWVLD/OLELOL]ZRUWK FRQ2QISHDULSQHUFWIRQFUDVH HYHQ WKRXJK \$VURGRFWQYWLURHDXRHEUHW PXLPSURYHPHQW LV WKH IRW\$XW\$RQDUXHGVHGD\$OXHIRUFR\$OD\$RIUDW\$H\$WHKGHS\$DUW3DWKZ\$REVEH WUXO\ VXF\$HSV\$R\$F&F, WIKILW\$FOHDU WKDW\$W\$KUH\$XIFWHR&LVLWHV IDSSURDFK ZLOO WD\$NH FRLRQU\$V\$KQH\$QX\$P\$QH\$LRP\$DHFOWLRQV LPSURYHG VHFWLRQV RI \$VQHHD\$F\$Q\$COOH\$F\$D\$RQGXF\$B\$V\$V\$W\$E\ DW WKH H[SHQVH RI FRPH IURP WKH UHFHQW RYHWDODORSQURBQ\$DBYH\$QURROOPHQW PHDVXUH ZKLFK LQFOXGHRQ OLOVHWRXFWMLRVQ CQHV VHHP WR EH RQH (TXLSPHQW67\$OUODERUDWE\$DL\$W\$R\$Q\$B\$M\$D\$V\$H\$H\$R\$Q\$U\$D\$E\$@\$V\$A\$E\$D\$W\$A\$U\$J\$W\$R\$Q\$S\$A\$O\$`\$P/WUDQVIHU FRXUVHV 5H\$Q\$P\$R\$D\$U\$H\$Y\$D\$Q\$G\$H\$G\$V\$W\$X\$G\$H\$Q\$W\$S\$R\$S\$X\$O\$D\$W\$L\$R\$Q H[SDQG WXWRULQJ DQG 6W\$KOH\$YH\$Q\$W\$U\$Q\$D\$F\$W\$U\$R\$V\$Q\$D\$Q\$R\$Q W XQGHUVWDQG WKH VVXGHQW VXS\$T\$KR\$H\$W\$H DUH DSUHUHTXLVLWH GLVFXVVL\$RQ WKRXJK REMHF\$WLYHV , VHH DV D ZW\$X\$V\$H\$R\$Q\$W\$Y\$K\$D\$D\$H\$W\$R WD\$NH FDO\$F\$O\$X\$O\$X\$V DQG WKH DWWUDFWLYHQHV FS\$K\$W\$K\$HR\$V\$CE\$H\$L\$R\$H\$H\$U\$W\$Q\$J\$H\$ FDQ WD\$NH SURJUDPU\$NH\$WLQJ 2XWUH\$D\$Q\$K\$L\$Q\$H\$H\$U\$L\$Q\$J VR ZKD\$W\$FD\$Q\$WKH &RXQVHOLQJ)LQDQFLDO\$H\$Q\$J\$Q\$H\$M\$F\$E\$Q\$Q\$G\$H\$S\$D\$E\$H\$W\$P\$H\$Q\$W\$G\$R\$W\$R EURXJKW LQWR WKH GLVF\$X\$W\$U\$H\$R\$D\$Q\$Q\$IL\$Q\$H\$R\$Z\$W\$K\$H\$V\$W\$V\$X\$F\$H\$V\$V LQ WKH FRXUVHV WR XWLOL]H WKH IXQGV IR\$D\$LV\$P\$SE\$H\$F\$Y\$R\$LP\$Q\$H\$U\$W\$K\$D\$H\$G\$H\$E\$O\$R\$V\$N\$W\$R " EHVV SDWKZD\V IRU (QJLQHH\$RUXLAQJRIVW\$K\$S\$H\$Q\$W\$V\$Q\$H\$H\$U\$L\$Q\$J GHS\$DUWPHQW V VLQFH LW PHHWV WKH JR\$D\$D\$Q\$G\$M\$Y\$H\$Q IRU OH\$D\$V\$X\$U\$H *

'R HV \RXU SURUULDQ GLI
HQURROOPHQW GLVWULEXWLRQ DPRQJ HWKQLI
JURXSV LQ WKLV PRVW UHFHQW \HDU
FRPSDUHG WR WKH &ROOHJH HQURROOPHQW E
HWKQLF JURXS"

& R O O H J H H Q U R O O P K Q W H Q U R O O P H Q W G R H V Q I R H V H P Q U R Q O P M I Q H V G R H V Q I R H V H P Q U R Q O P M I Q H V G R H V Q R
G L V W U L E X W L R Q E \ H W K Q F F O V W H H M T \$ Q U I F F Q I Q V W U L E X F A R L O R Q H H M T K I Q G F G L V W U L E X F A R L O R Q H H M T K I Q G F G L V W U L E X H W L R Q L F 1 G H I H G W U L E X W L R Q 1 F
\$ P H U L F D Q \$ V L D Q S L R O P L H S L R \$ U R Y H P H Q W W R 0 G H R H P W H W P K S H U R Y H P H Q W W R 0 G H R H P W H W P K S H U R Y H P H Q W W R 0 H P H S W R W Y K H P H Q W W R 0 H H W W K F
/ D W L Q [1 D W L Y H \$ P B W D F Q D Q D U G 6 W D Q G D U G 6 W D Q G D U G
3 D F L I L F , V O D Q K G L H W H
' H F O L Q H W R 6 W D W H

+RZ PDQ\ FULWHULD DUH7PKHWQDQJWDKWLGBWLQFOXGMRHDQDUURDIWVKH LQFOXGMKHDQDUURDIWVKH LQFOXGMKHIHQDHWWWDQH LRQFOXGHV
WUHQG QDUUDWLYH H[SOFDQDVMURQ IROUHWV WKH FWWDQSDUQ OHHWV WKH 6WKDHQFUDLWGHULD 1HHGV OFDMLRMUH UP\$URYHHPGIQWDMRU ,F
HQUREROOPHQWE\ HWKQLFLW\" WR OHHW WKH 6WDQGDUGWKH 6WDQGDUG

+RZ PDQ\ FULWHULD DUH7KHHWQDQJWDKWL YH LQFOXGFKHDQDUURDIWWKH LQFOXGFKHDQDUURDIWWKH H[FHHGV7KHSQBWWDWLRYQV LQFOXGHV
SURSRVHG DFWLRQ QDUUFDWYWYHUURU OHHWV WKH FWWDQSDUDC OHHWV WKH 6WKDHQCDWGDWL YH FRXOG EH LXWHHGLDV DQHGV 0DMRU ,F
HQURROOPHQW E\ HWKQLFLW\" H[HPSODU ([FHOOHQW WKH 6WDQGDUG

5 HDGHU)HHGEDFN /RWV RI JRRG LGHD\

\$JDLQ , VHH WKLV DV QRWKHM JUHW SVAQH WR TXHVW LRLQVWM QVND UUDWLHYHV SUR
UHVS RQVLELOLW\ RI WKHG IQVEQ HEEHUL QVQK H FKDQJHWR QHS RQXIOJKWL RQ DRFWLRQ L
'HSDUWPHQW EXW RI WKHD F R OHQHJQIL D VJ WDRXS ZLW R Q XRMW WFSRQDHVQWQJDW PDNH L
ZKRQHOLNH WKH VSHFLILF KXURH VLQVRAQDQQRH WKH ADWQG QYFSURLSEXHOQD WLVRDQFWLRQDI
UHDFKLQJ RXW WR 8PRMDKD3/XHQFMUHDDQHG IURPOLN HMRDQLQJIXO FKDQJH WKDW Z
3DFLILF , VODQGHUV WR LQKRUH HBFM WRKQI UHFUXLWLQKDQW KQHMQRVHQURDOPHQWE
RSSRUWXQLW\ LQ WKHVH GXLIGHQWHISWIKQHQLQWBXS LQWR WKH
SRSXODWLRLQG 3DWKZD\VH,QWLQKQHULQJ SURJUDP LQ DGGLWLRQ WR
ZRXOG EH PRVW VXFFHVVFXTQOUWFWQMPFRKDOQJHV WR LPSURYH UHWHQWLRQ
DV D ZKROH SXUVXHG WKRV VRKEINWIFWLYXHG HQWV LQ HQJLQHHULQJ
\$JDLQ WKH OHYHUDJH JDFLRQXHUG%HRWIR WSHV RI FKDQJHV DFWRQV
0HDVXUH * FDQ KHOS FRQMLHG HDIOVKRZ XLRVH LPSRUWDQW DOVR IRU
EHVW EXLOG RXU FDUHHU QVFLFKDQMLFOJO WKH RYHODOO HQJLQHHULQJ
SURJUDPV ZKLFK LQFOXSHURJQDPQHMMXGQW SRSXODWLRQ
+RZ WR EH EHVW FRQVLGHU KRZ WR GHVLJQ
RXU 67(0 DUHD WR DWWUDFW
XQGHUUHSUHVHQW HBFZFWRPXQLWLHV
XVH PRQLHV WR LPSURYH WKH SDWK WR
WUDQVIHU FRXUVHV ZRXOG EH EHVW DWWDLQHG
LI WKH HQWLUH FROOHJH LV LQYROYHG

) 6WXGHQW &RXUVH 6XFFHVW

:KDW GRHV WKH GDWD &RUXHUQ/GI LVQGEFH/WKDV GH&R XI DV H G/ XRYFHUV V KDV GH&R XI DV H G/ XRYFHUV V KDV GH&R XI DV H G/ XRYFHUV V KDV GH FU DERXW RYHUDOO FRXUVHWKMFVHFM "VSDQ E\ PRUH WKKHD \LPH VSDQ E\ PRUH WKKHD \LPH VSDQ E\ PRUH WLKDHQVSDQ E\ PRUH WKDQ SHUFHQWDJH SRLQWV 1SHICFVHQDMDRJUH SRLQWV 1SHICFVHQDMDRJUH SRLQWV 1HHSN GVD MRU ,PSURYHPHQ ,PSURYHPHQW WR OHHW WRKSHU &WBQISQW GWR OHHW WRKSHU &WBQISQW GWR OHHW &WHD QWDQG DUG

+RZ PDQ\ FULWHULD DUH7KHHWQDQ\ WDKVHL G\ W Q FOXG\ KHDQDUU\ DWWKH LQFOXG\ KHDQDUU\ DWWKH LQFOXG\ KHDQDUU\ DWWKH LQFOXGHV
WUHQG QDUUDWL YH H[SOFQ\ D\WURQ IROUH\ W\XGWHQW\ FW\ BDU\ 0HHWV WKH FW\ BDU\ 0HHWV WKH \W\BQ\ DURPH ,PSURYHPHQW \FRXUVH VXFFHVV"
6WDQGDUG

+RZ PDQ\ FULWHULD DUH7KHHWQDQ\ WDKVHL YH LQFOXG\ KHDQDUU\ DWWKH LQFOXG\ KHDQDUU\ DWWKH LQFOXG\ KHDQDUU\ DWWKH LQFOXGHV
SURSRVHG DFWLRQ QDUU\ DWWGH6RRPUH V,WSKGRH\ QDUU\ DWWKH LQFOXG\ KHDQDUU\ DWWKH LQFOXG\ KHDQDUU\ DWWKH LQFOXGHV
FRXUVH VXFFHVV"
6WDQGDUG

~~5HDGHU)HHGEDFN 1HHG WR DQDOVH WKH G\WHD DP\W\KRFU\RF\KORVH WR IRFXV RQ
LPSURYLQJ WKH SHUFHQWDJHV RI RQH RI
WKHLU ZRUUVW SHUIRUP\QJ DUHDV RQOLQH
FRXUVHV LQ (QJW\QHQ\N\LVQ\JLV LV
H\HSQHFV\CO\O\TH\WR\DPWQ\W\B\ODH\ WH\W\SH\W\ZD\O\H\X\ IR\ GXULQJ WKLV WLPH RI SDQ@ W €PQ\H\Q\W JH` €b\p\B\~~

, OLNH WKH IRUZDUG WK L7QNLQH QH VRSERMQHMFHW WRH TRXIH VWLRQ RQO\ FRQVLGHULQJ WKDW VXFRGHWAF WIDEVHGV WKHR XNOLQH QGV ZLWKRXW LGHQWLILQJ EH KLSKHOZUD\V DLPLQJ WR ZDQGUHDVRQV EHKLQG WKH GHFUHDVLQJ LPSURYHPHQW HVSHFLDQ\QF E\QVWKUD\WQOD\QUR\WHERWK JHQGHUV ZRU\$GO WKUHH HOOPHQ WDFWRLURQ LWHPV OLVWHG LQ TXHVWLRQ DUH LPSURYHPHQW IRVWHULQRFFXVPHPGX\Q\QWR QOLQH FRXUVH VXFFHVV UDWHV RQOLQH PRUH RQOLQH WHIDRXPB\WHIGHVH DSSURDFKHV FRXOG DVVLJQPHQWV DQG LQFOR\GMLQ\QVDEORQDLOVR EH DSSOLHG WR A 9> FLEOP F0 \C VXFFHVV VWRULHV DUH JRRG JRDOV WR SXUVXH R\\$JDWQD,LQ\KLQN VWXGLHV VWUDWHJLHV DQG SURJUDPV FDQ EH IXQGHG ZLWK OHDVXUH * WR DWWDLQ WKHVH JRDOV

