

\$FDGHPLF 6HQDWXKEKRLPHDQ \$JHQGD LWHP \$6(&FRPPLWPHQWWR 'LYHUVLW\ (TXLW\



7 K H \$ F D G H P L F 6 H

& , 7 <& 2 / / (* (2) 6 \$ 1) 5 \$ 1 & , 6 &
) U L G D K Q B \ % R [6 D Q U D Q F I & S F R) D [
ZZZ FFVI HGX HGX DF D G H P P D I F O V D S Q B W H # F F VI HGX

& X U U L F X @ X U P H T X L U H P H U Q V B Q J O L F 3 U H R V J u B P H O R S P 6 H V Q X G H U Q H M 8 6 X F F H V R V A H U Q D Q F H
 \$ F F U H G L V D R V I L R Q Y H R Q O B S P 3 H U Q R W I 6 D H P Y L H 3 Z Q D Q Q L Q X Q G J H 3 M L R Q F J H 2 V V W V A H D V D V U H H G

7 K H \$ F D G H P L F 6 H Q D W H ([H F X W L Y H & R X Q F L O L V F R P P L W W H G W R S U R Y L G L Q
 & R X Q F L O P H H W L Q J V 7 R P D N H D U H T X H V W F R Q Q H F W H G W R D G L V D E L O L W \ R U
 3 U H V L G H Q W K R X U V L Q D G Y D Q F H R I D Q \ ([H F X W L Y H & R X Q F L O

& & 6) \$ F D G H P L F 6 H Q D W H ([H F X W L Y H & R X Q F L O
0 L Q X W H V 6 R X Q G 5 H F R U G L Q J

: H G Q H V G D \ 0 D \
 0 8 % R U

S P

O L Y L Q J D Q G Z R U N L Q J R Q W K H L U W U D G L W L R Q D O K R P H O

- &KLHI)LQDQFLDO 24FHU DQG 'LUHFWRU RI 5LVN
3URFXUHPHQW 7KLV LQGLYLGXDO ZLOO EH UHV
7UDFLQJ DV WKH ODZ UHTXLUHV XV WR FRQWLQ
- 6HQLRU 'LUHFWRU RI %XGJHW SRVLWLRQ LV DO
ZLOO KDYH PRUH LQIRUPDWLRQ LQ WKH FRPLQJ
 - :HVYH KDG VRPH SRVLWLYH FRQYHUVWDWLRQV Z
WKH \$07 SURJUDP :H KRSH WR PDNH VRPH VHUL
RYHU WKH 6XPPHU
 - ,IZH FDQ RSHQ XS WKDW GHSDUWPHQW LQ WKH
ZLOO EH YHU\ SRVLWLYH
 - /RRNLQJ IRU WZR LQGLYLGXDOV WR VHUYH RQ W
5HJLVWUDWLRQ &RPPLWWHH
 - 7ZR PDMRU XSGDWHV RQ 3HUIRPLQJ \$UWV &HQ
DSSURYHG WKH 1QDO GHVLJQV WKDW ZLOO JR W
JHW WKH %RDUGVV FRQVLGHUDWLRQ RYHU WKH
EH VHOHFWLQJ WKH *HQHUDO &RQWUDFWRU ZK
IRU EXLOGLQJ WKH SURMHFW
 - +ROGV RQ *KRVW 6WXGHQWV XSGDWH :H SODFH
UHFRUGV DQG VHQW RXW DQ HPDLO \HVWHUGD\
WR UHVSRG 'URSWLPH LV 0DUFK WK ,IZH GR
IURPKyÄ `p€p€ p` XSGDWH

KH ORRNHG IRUZDUG WR LPSURYLQJ WKH RQERD
WKLV SRVLWLRQ

•••••



DQG ZH PD\ZDQW WR WKLQN DERXW WKLQJV PRU
DQG WKLQN DERXW WKH FROOHJH PRUH EURDGO
SRWHQWLDOO\ PDNH WKH ZRUN PRUH PHDQLQJI



■ \$V\RXPD\NQRZWKH%20`

FDOO RXW DQG SXW VRPHRQH LQ SODFH ,WVV QRW
RWKHU XSGDW HV ,W LV WKH ZLVK RI WKH FXUUHQW
WKL

- -HVVLFD %XFKVEDXP DVNHG ZK\ WKHUH LV ERWK D
DVVRFLDW HG ZLWK WKH SRVLWLRQ"
- 7UDF\ %XUW VDLG WKH\ ZHUH VWLOO FODULI\ LQJ WKH
((2 JUDQW DQG 0LWUD H[SODLQHG WKDW WKH UHDV
2H[LEOH EHFDXVH RILPSDFWHG GHSDUWPHQWV HW
■ /RX 6FKXEHW DVNHG KRZ PDQ\ KRXUV SHU ZHHN WKH
0LWUD H[SODLQHG WKDW WKLV LV FDOFXODWHG E\ WKH
■ 5RQ 3DJH DVNHG LI LW ZDV SRVVLEOH WR FUHDWH D
SHUVRQV ZKR JR WKURXJK WKLV SURJUDP
■ 7UDF\ %XUW VDLG LW ZRXOG EH D JXDUDQWHHG 37 V
FUHDWH PRUH RSSRUWXQLWLHV IRUD)7 SRVLWLRQ
■ 7UDF\ DQG 0DGHOLQH ERWK VXJJHVWHG DGGLQJ WS
FKDQJHV FRPLQJ EDFN WR WKH FRXQFLOX
■ ORWLRQ WR HQGRUV HEW@KHSULHOMHU@W@IGX VHFRQGH
.LPEHUO\ .HHQDQ

5HVROXWLRQ)D\$XOW\ 'LYHUVLW\ ,QWHUQVKLS 3URJUDP

5HVROYHG WKDW WKH \$FDGHPLF 6HQDWHDSSURYHV WKH)DFXO
)',3 &RRUGLQDW RU)DFXOW\

6XSHUYLVLQJ \$GPLQFXWDQD 5HVRXUFHV 'LUHFWRU \$9 &

5HDVVLJQHG WLPH RU)7()

/HQJWK RI WHUP \$FDGHPLF <HDU VRPH VXPPHU ZRUN
RSSRUWXQLW\ WR UHQHZ EDVHG XSRQ EXGJHWDU\ UHVRXUFHV

)XQGLQJ VRXUFH &DWHJRULFDO (TXDO (PSOR\PHQW 2SSRUW

:RUN /RFDWLRQ 5HPRWH DQG 2FHDQ &DPSXV + 5

3RVLWHRQULSWLRQ 7KH)',3 &RRUGLQDW RU ZLOO VXSSRUW WKH
FRRUGLQDW LRQ DQG LPSOHPHQWDWLRQ RI WKH)DFXOW\ 'LYH
WKH R4FH RI +XP DQ 5HVRXUFHV LQ WKH LPSOHPHQWDWLRQ RI W
ZLOO UHSRUW WR WKH 'LUHFWRU RI +XP DQ 5HVRXUFHV

-RE 'XWLHV

2XWUHDFK DQG 5HFUXLWPHQW

*HQHUDO

'UDIW XSGDWHSURJUDPSDPSKOHWEURFKXUHIRULQWHUQDO
'UDIWZHEVLWH XSGDWHG UHJXODUO\ DV QHHGHG

,QWHUQDO

,GHQWLISULRULW\ KLUHV E\ GHSDUWPHQW EDVHG RQ GLYHUVL
FRORUDQG /*%74 IDFXOW\ E\ GHSDUWPHQW DQG KLULQJ \$RWHD
H[SHULHQFLQJD KLULQJIUHH]HEHFDXVH RI OD\R3V

&UDIW RXWUHDFK PDWHULDovIRUGHSMDUWPHQWV LQFOXGLQJ

&UDIW DQG GHOLYHUSUHVHQWDWLRLQWR 'HSMDUWPHQW &KDLUV
QHFVVVDU\

'HYHORSMRE GHVFULSWLRQ DQG DSSOLFDWLRQ IRULQWHUQV

([WHUQDO

&RRUGLQDWHRXWUHDFKIRUFDQGLGDWHV

%XLOGFRPPXQLW\ UHODWLRLQVKLSV FT`FT`FT`FT`FT`FT`FT`FT`F

%XLOG

0HQWRU & RRUGLQDWLRQ
2XWUHDFK UHFUXLWPHQW RI IDFOW\ PHQWRUV
& UDIW 0HQWRU MRE GHVFULSWLRQV
'HYHORS DQG GHOLYHU PHQWRU WUDLQLQJ SURIHVVLRQDO GHY
7URXE OHVKRRW ZLWK PHQWRUV DV QHHGHG
& RRUGLQDWLWH SDSHUZRUN VXFK DV QRQ LQVWUXFWLRQDO WLPH
HDUQ WKHLU VWLSHQG

'DWD DQG 3URJUDP (YDOXDWLRLQ
.HHS DFFXUDWH UHFRUGV RQ RXWUHDFK FRQWDFWV H J LQGLY
.HHS UHFRUGV RI LQWHUQ DQG PHQWRU HQJDJHPHQW LQ SURIH
DVVLVWDQFH DQG QHWZRUNLQJ HYHQWV
& RRUGLQDWLWH HYDOXDWLRLQ RI SURJUDP DQG HYHQWV DQG SODQ
UWHHQWLRQ DQG SODFPHQW RI LQWHUQV

5HTXLUHG 4XDOL1FDWLRLQV
6WURQJ XQGHUVWDQGLQJ RI EDUULHUV WR IDFOW\ SRVLWLRQ
FRPPXQLWLHV DV ZHOO DV GHYHOÂDD€ ðl" @ HOÂ!ð _Â!ð œ QJ C2_2

- &UDLJ .OHLQPDQ KDV DVNHG XV WR XSGDWH WKLV W
WKDW FRXOG EH XVHG WR SUVHQW DV VWXGHQWV
- ,WVV QRW D KXJH FKDQJH VR ZH GRQVW QHHG WR JR
- :H ZLOO FRQWLQXH WR JR WKURXJK UHYLVLRQV WKU
- , SUVHQW HG WR \$VVRFLDWHG 6WXGHQWV RQ)
OHQJWK\ FRQYHUVWDWLRQ 7KH VWXGHQWV DUH PXF
DUWL1FLDOLQWHOOLJHQFH WRROV DUH 7KH\ VXJJ
WJHQHUDWLYH WRROV X :H EUDLQVWRUPHG DQG GH
WRROVX :HVG OLNH WR VHH WKLV WKURXJK DV DQL
SUVHQW WKLV WR VWXGHQWV
- -HVH .ROEHU DVNHG LI WKLV \$3 ZRXOG DOVR FRYH
VWXGHQWV UHXVLQJ ZRUN IURP SUHylRXV FRXUVH
- 0LWUD VDLG WKLV ZDVQVW LQFOXGHG LQ WKH GLVF
7KUH ZDV QR UHIHUHQFH RI VHOI SODQGDULWVWQR
ODWH WR DGG WKLV QRZ EHFDXVH ZHUVH H[SHGLWL
-)UHG VXJJHVWHG XVLQJ WH JX LQVWHDGRIW
• /RX 6FKXEHW LV LW D FLWDWLRQ WR VD\ WKDW \RX
WKLQLQJ RI WKH :LNLSHGLD H[DPSOH ,WVV QRW D
DVN VWXGHQWV WR FLWH WKDW WKH\ XVHG LW
- 6KHUL 0LUDJOLD VDLG WKDW VWXGHQWV FRXOG VW
SHUPLVVLRQ 0LWUD FRQ1UPHG WKDW WKH SRLQW 2
2H[LEOH
- 0RQLFD %RVVRQ EURXJKW XS WKDW UHPRYLQJ WKH
DQG 0LFKHOH 6LHJOLW] DJUHHG WKDW WKH LQWHQV
FODULI\ IRU VWXGHQWV ZKDVRPH RI WKH SURJUD
DQG XVLQJ HWF ZDV WR NHHS LW RSHQ HQGHG
- 0RQLFD PHQWLRQHG WKDW VWXGHQWV DUHQVW JRL
- 0LWUD LQVLVWHG WKDW ZH FDQ HLWKHU XVH WH J X
- \$QGUHZ .LQJ VXJJHVWHG WLQFOXGLQJ EXW QRW O
DPHQGPHQW
- 5RQ 3DJH DVNHG LI &KHJJ DQG 'LVFRUG IRU VKDULQ
LQFOXGHG)UHG DQG 6KHUL DQG RWKHUV DOO WDO
QRW
- &UDLJ 3HUVLNR PHQWLRQHG WKDW \$XWKRU QHHHG
WWRRDX VLQFH WKH WRSLFLV DERXW \$, QRW VRPH
- &KDG 6WHSKHQVRQ PHQWLRQHG WKDW WKLV HQWL
QHJDWLYH DQG VXJJHVWHG WKDW LW EH ZULWWHQ
LQGLFDWH WKDW WKH UHSUDWLRQ LQ WKH KDQGV
LI WKLV LV WKH LQWHQW RI WKH ,QVWLWXWL
• 7KUH LV D JHQHUDWLYH RQOLQH PRGXOH LQ GHYH
WDON DERXW \$FDGHPLF ,QWHJULW\ LQ FRQMXQFWL

- OLWUD H[SUHVVG WKDW WKH KRSH LV WKLV ZRXOG LPPHGLDWHO\ VR LW FRXOG EH LPSOHPHQWHG IRU 6 WR (G 3ROLFLHV DQG 6KDUHG *RYHUQDQFH IRU IXUV
- ORWLRQ WR DSSURYHE\ 6KHUL 0LUDJOLD DQG VHFR
- 7KLV ZLOO EH LPPHGLDWHO\ LPSOHPHQWHG IRU)DC

5HVROXWLRQ	8S GD DWHV WR \$3	%	\$FDGHPLF 'LVKRQHVW
5HVROYHG WKDW WKH \$FDGHPLF 6HQDWH ([HFXWLYH & RXQFLO D			
% \$FDGHPLF 'LVKRQHVW\ 9LRODWLRQ			
\$GPLQLVWUDWLYH 3URFHGXUH	&RGH RI 6WXGHQW &RQGXFW		
2ULJLQDO % \$FDGHPLF 'LVKRQHVW\ 9LRODWLRQ			
\$FDGHPLF RU LQWHO OHFWXDO GLVKRQHVW\ VXFK DV FKHDWLQ			
WDNLQJ DQ H[DPLQDWLRQ RU SHUIRUPLQJ DQ DVVLJQHG HYDOX			
KDYLQJ LPSURSHU RU XQDSSURYHG DFFHVV WR DQVZHUV RU H[D			
XQDXWKRUL]HG XVH RI WKH ZULWWHQ ODQJXDJDH DQG WKRXJKW			
TXRWLQJ RU FLWLQJ DQG UHSUHVHQWLQJKLP KHU DV RQHVVRZ			
3DVVHG 3*& ZLWK FDYHDW WKDW \$VVRFLDWHG 6WXGHQWV ZF			
3URSRVHG 5HYLVLRQ %UDLQVWRUP ZLWK \$VVRFLDWHG 6WXGHQ			
\$FDGHPLF 'LVKRQHVW\ 9LRODWLRQ			
\$FDGHPLF RU LQWHO OHFWXDO GLVKRQHVW\ VXFK DV FKHDWLQ			
WRROV@ DUWL1FLDO LQWHOOLJHQFH WRROV ZLWKRXW WKH SHU			
WR VFKRRO WDVNVRU DFWLYLWLHV &KHDWLQJ LV GH1QHG DV W			
DVVLJQHG HYDOXDWHG WDVN LQ D GLVKRQHVW ZD\ VXFK DV KD			
DQVZHUV RU B D ULVP LV GH1QHG DV WKH XQDXWKRUL]HG XVH			
WKRXJKW RI DQRWKHU DXWKRU ZLWKRXW SURSHU TXRWLQJ RU F			
DV WKH VWXG\$QWXGRQDQV PD\ QRW XVH DUWL1FLDO LQWHOOLJHQ			
FRQWHQW WKDW WKH VWXGHQW VXEPLWV DV WKH VWXGHQWV V			
),1\$/ 3URSRVHG 5HYLVLRQ			
\$FDGHPLF 'LVKRQHVW\ 9LRODWLRQ			
\$FDGHPLF RU LQWHO OHFWXDO GLVKRQHVW\ VXFK DV FKHDWLQ			
WRROV LQFOXGLQJ EXW QRW OLPLWHG WR *37 & KDW *37 & OD			
RI WKH LQVWUXFWRU WR SURGXFH UHVSQVHV WR VFKRRO WDVI			
WDNLQJ DQ H[DPLQDWLRQ RU SHUIRUPLQJ DQ DVVLJQHG HYDOX			
3ODJLDULVP LV GH1QHG DV WKH XQDXWKRUL]HG XVH RI WKH ZUL			

DXWKRU WRRO ZLWKRXW SURSHU TXRWLQJ RU FLWLQJ DQG



■

& 24FHUV (OHFWLRQ & RXQFLO ZLOOGHWHUPLQH MRKH R4I
DGGLWLRQDO GHWDLOVRQ UHVSQRVLELOLWLHV RI \$16886 24FDIO V VHH
6HQDWHV + DQGERRN

- <RX KDYH QRZ EHHQ VHDWHG DV WKH QHZ & RXQFLO I
& RQVWLWXWLRQ VWDWHV WKDW WKH \$FDGHPLF 6H
VW 9LFH 3UHVLGHQW QG 9LFH 3UHVLGHQW DQG 6
- 1RPLQDWLRQV IRU 3UHVLGHQW .DWLD)XFKV QRPLQ
VHFRQGHG E\)UHG 7H WL 0DWW 'XFNZRUWK QRPLQD
GHFOLQHG ORYHG E\ \$FFODPDWLRQ
- 1RPLQDWLRQV IRU VW 9LFH 3UHVLGHQW 6KHUL 0L
6HFRQGHG E\ -HVVLFD %XFKVEDXP \$FFHSWHG E\)D
\$FFODPDWLRQ E\)UHG 7H WL 6HFRQGHG E\ .DWLD)X
- 1RPLQDWLRQV IRU QG 9LFH 3UHVLGHQW .DWLD)X
\$FFHSWHG E\ .DWLD)XFKV 6HFRQGHG E\ 6KHUL 0LU
\$FFODPDWLRQ E\ 7RP .HQQHG\ 6HFRQGHG E\ /RX 6F
- 1RPLQDWLRQV IRU 6HFUHWDU\ \$OH[LV/LW]N\ 1RPLQ
\$FFHSWHG 6HFRQGHG E\ 0RQLFD %RVVRQ ORYHG E\)XFKV 6HFRQGHG E\)DQQ\ /DZ

' & RQVHQW \$JHQGD

- \$GRSWLRQ RI \$FDGHPLF 6HQDWH (JHFXWLYH & RXQF
____ 0RWLRQ WR DGRSW WKH FDOHQGDU E\)DQQ\ /D
7RP .HQQHG\ \$GRSWHG E\ & 216(1686
- \$6(& DQG 3*& FRPPLWWHH DSSRLQWPHQWV IRU
SSRLQWPHQWV
 - (OHFWLRQ & RPPLVVLRQHUV -RH 5H\HV 6LPRQ
"
 - \$ZDUGV 5HFRJQLWLRQ 7HDP)DQQ\ /DZ 5RQ 3D
 - 3*& 6KHUL 0LUDJOLD \$OH[DQGULD /H\WRQ
 - & RPPLWWHH RQ & RPPLWWHHV 7RP .HQQHG\ IX
 - 3DUOLDPHQWDULDQ)UHG 7H WL
 - \$6&&/LDLVRQ 6KHUL LV OHDLQJ LW RSHQ IRU
SHRSOH WR FRQVLGHU WKLV UROH
 - \$OH[LV/LW]N\ DVNHG WKDW IRONV KDYH D PRUH
WKLV DQG WKLQN DERXW LW RYHU WKH 6XPPHU
 - <LQJ/LX DVNHG IRU FODUL1FDWLRQ EH WZHQQ 2
& RRUGLQDW RU
 - 0LWUD 6DSLHQJD PHQWLRQHG WKDW WKHUH LV
/LDLVRQ DQG VDLG DV IDU DV VKH NQRZV QRQH
KDYH D VWLSHQG

- & R Q V W L W X W L R Q D Q G % \ D S H Z Q W R R U D O O R & S X O W \ R Q \$ 6 (& , Q W K H) D O O 6 K H U L Z L O O E H V H Q G L Q J I D F X O W \ D E R X W E H L Q J R Q W K L V & R P P L W W H H) U E R W K V W H S S H G I R U Z D U G

, ; \$ G M R X U Q P H Q W S P