## \*NNVOPMPHZ JO , JEOFZ 5SBOTQMBOUBUJPO

-XDQ &DUORV + +HUQDQGH] 5LYHUD

'HSDUWPHQW RI 10HH\$LKFUDROD RQVWLWXWH RI 6RFLDO 6HFXULW\ 0H[LFR

&RUUHVSRQGLQJXD&W&KDRUDRV + +HUQDQGH] 5LYHUD 'HSDUWPHQW RI 1HSKURORJ\ 0H[LFDQ ,QVWLWXWH MXDQFDUORVKKHUQDQGH]ULYHUD#KRWPDLO FRP

SHEHI YHG 60HDS\W/III PEHII

\$ F F6HHSSWVHHCP ECHOLW H

3XEOLVKHG GDWH 2FWREHU

&RS\ULJKW \ +HUQiQGH] 5LYHUD -&+ 7KLV LV DQ RSHQ DFFHVV DUWLFOH GLVWULEXWHG XQGHU WKXQUHVWULFWHG XVH GLVWULEXWLRQ DQG UHSURGXFWLRQ LQ DQ\ PHGLXP SURYLGHG WKH RULJLQDO D

&LWDWLRQ +HUQDQGH] 5LYHUD -&+

,PPXQRORJ\ LQ .LGQH\ 7UDQVSODQWDWLRQ ,PPXQRO &XUU 5H

## (GLWRULDO

&KURQLF NLGQH\ GLVHDVH &.' LV D SXEOLF KHDOWK SUREOHP GXH WR LWV KLJK LQFLGHQFH DQG SUHYDOHQFH HVSHFLDOO\ DVVRFLDWHG ZLWK FKURQLF GHJHQHUDWLYH GLVHDVHV VXFK DV GLDEHWHV PHOOLWXV 'O DQG V\VWHPLF DUWHULDO K\SHUWHQVLRQ 6\$+ +RZHYHU WKHVH FDXVHV DOWKRXJK WKH\ UHSUHVHQW WKH PDMRULW\ RI WHUHHDWHLRORJ\ DUH QRW WKH RQO\ RQHV WRPH RWKHUV VXFK DV JORPHUXODU SULPDU\ VHFRQGDU\ JORPHUXODU GLVHDVHV YDVFXODU RU XULQDU\ V\VWHP PDOIRUPDWLRQV SRO\F\VWLF GLVHDV DQG LQIHFWLRXV GLVHDVHV PDQ\ RWKHUV %HFDXVH RI WKH SUREOHP WKDW &.' UHSUHVHQWV VXEVWLWXWLRQ WKHUDSLHV WR OHQJWKHQ WKH VXUYLYDO RI SHUVRQ KDYH EHFRPH PRUH LPSRUWDQWHDWHVXDGFFHHYQBHQWLGXZULWLKCLOV RD EVHKWW SDWLHQWV > @ IRU WKHP DQG WKHLU IDPLOLHV

W KDV UHFHQWO\ EHHQ GHHSHQHG LQ VIPO PR RI HUHID W BU DFF HS DVOVO PARONNOWN DW K LPPXQH V\VWHP VR WKDW PRIHO BURZUHHO WSUNJEW PROBONE BROOWN WWW.QJ 1DW 5HY 1HSKURO DR WKH VWXG\ RI GRQRU GLOUSHFRWERE RDIQWE'S RELATIVD XF 1000 HS 9HUQHUH\ 3UXJJHU \$QWLERGLHV \$'() [DRWH-SZODWAHO WKH DFWLY PROBON PR

LQ D WLPHIVE BLHQUYHWKH PPROOFS XX TOVD SIUHYDLO IRU WKH