

&RPPLVLRQLQJ RI 0: FODVV *\URWURQ 7
DW ,7(5 ,QGLD 'HPRQVWUDWLRQ RI ,7(5
SHUIRUPDQFH 0: IRU V DW *+]

6 / 5DRLSDO' 5DWKRG' \$QMD'OL 6KDUP'D 5RQDN 6KDK 'HSDN 0
<DGDY 6DQGLS *DMMDU 5DVHVK 'DYH 'LVKDQJ '8SDGK\DI\ 5DMY
.XVK 0HKWD '9LNDV *DXU \$]DG .XPDU 6'LQJK .XPDU 5DMQLY

1,7(5 ,QGLD ,QVWLWXWH IRU 3ODVPD 5HVHDFK *DQGKLDQJDU

\$EVWUDFV ,QGLD DV D SDUW RI LWV LQ NLQG FRPPLWPHQWV WR
D PDQGDWH WR GHOLYHU WZR 3*\URWURQ' EDVHG 5) 6RXUFH VHV
VSHFLILFDWLRQV *+] 0: V IRU (&5+ (OHFWURQ &V
5HVRQDQFH +HDWLQJ DSSOLFDWLRQV :LWK DQ DLP WR EHQFK
V\VWHP SHUIRUPDQFH D 0: FODVV *\URWURQ 7HVW)DFLOLW\ KD
,7(5 ,QGLD XQGHU 3KDVH RI WKH SURMHFW H[FXWLRQ SODQ
GHYHORSHG ZLWK DOO QHFHVVDU\ DX[LOLDU\ V\VWHPV DQG VHV
9ROWDJH DQG +LJK 9ROWDJH 3RZHU 6XSSOLHV &RQWURO 3URW
6\VWHPV 5) 'LDJQRVWLF 6\VWHPV &RROLQJ DQG 9DFXXP 6HUYLE
WHVW *\URWURQ ZLWK ,7(5 UHOHYDQW VSHFLILFDWLRQV 0:
ZLWK D VHV RI GXPP\ ORDGV DQG ZDYHJXLGH FRPSRQHQW KDYH
0 V *\FRP 5XVVD DQG IXOO\ LQWHJUDWHG ZLWK WKH WHVW
\$FFHSWDQFH 7HVW RI WKH 7HVW *\URWURQ KDYH EHHQ FRQG
GHYHORSHG ,7(5 ,QGLD *\URWURQ 7HVW)DFLOLW\ ,,*7) \$Q RXV
0: DW *+] IRU V ZLWK 5) HILFLHQF\ RI DERXW KDV
VXFFHVVIXOO\ GHPRQVWUDWHG GXULQJ WKHVH WHVWV WKHUH
UHOHYDQW SHUIRUPDQFH

,QWURGXFWRQ DX[LOLDU\ KHDWLQJ SRZHU RXW RI
(OHFWURQ &FORWURQ 5HVSRQDQFH +HDWLQJ SODQW ZLWK DQ
(&5+ LV RQH RI WKH ZHOORUVW DQGLVWHG SODQW ZLWK DQ
SODVPD DX[LOLDU\ KHDWLQJ DQG EXHJHQW GULYH
PHWKRGV WKDW LV ZLGHU\ XHGHFXWLRQV YDULXV &RUUHVSRRQ
WRNDPNDV VWHOODUDWURV (GULFXWLRQV SORWV RI J\URWURQ
GHYLFHV IRU SODVPD VWDUWXV SODVPD KHDWV\ SDUW RI LQ
DQG FXUUHQW GULYH DSSOLFDWLRQV > @] EHWZHHQ ,7(5 SDI
SRZHU DW WKH HOHFWURQ FLOLPHWHU ZDYH ,QGLDQ GR
ZKLFK LV W\SLFDOO\ LQ WKH FLOLPHWHU ZDYH ,QGLDQ GR
IUHTXHQF\ UDQJH LV XVHG IRU (&5+ ,35 KDV D VFRS
DSSOLFDWLRQV > @ 7KH *\URWURQV DULW WKH PDLO
FODVV RI 5) 6RXUFHV WKDW SDUWV HDSRSH RI FRPPLWPHQW XQ
JHQHUDWLQJ 0: OHYHOV RI SDUWV JHUHQWU LQFOXGHV WKH GH
ORQJ &: SXOVH OHQJWKV LQ WKH V\VWHPV 3RZHU 6XSSOLH
UDQJH RI LQWHUHVW > @ ,WKH V\VWHPV 3RZHU 6XSSOLH
VFDOH H[SHULPHQWDO WRNDPNDV DQGLVWHG LQWHJUDWHG
FXUUHQWO\ XQGHU FRQVWURXQV DQGLVWHG LQWHJUDWHG
LQWHUQDWRQDO FROODERUDWLRQV DQGLVWHG LQWHJUDWHG
GHPRQVWUDWH WKH IHDVLV SHUIRUPDQFH XFOKDW LV UHOLDEO
)XVLRQ DV D FOHDQ VRXUFH DQGLVWHG LQWHJUDWHG VDIH
SHU WKH EDVHOLQH SODQ ZKLFK DOO\ SDUWV UHTXLUHPHQWV
UHHLVLRQ ,7(5 UHTXLUHV DERXW 0: RI SRZHU 5) V\VWHPV :L

&RUUHVSRRQLQJ \$XW [K/OU DR # L W DR L QGLD L Q](#)

