

# CVEN3701

9bj ]fcba YbHJ` : fUa Yk cf\_gž@Jk 'UbX'9Wčbca ]Wg

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## 7ci fgY'8YHJ]g

I b]hg'cZ7fYX]h\*'

Gi a a UfmicZ\hY'7ci fgY

H\]g'Wci fgY'Vi ]Xg'cb'hY']bfcXi W]cb'hc'Ybj ]fcba YbHU'a UbU[ Ya Ybh]b'7J 9B%+\$%UbX'dfcj ]XYg'XYHU]g cZa YhcXg'Zcf'9bj ]fcba YbHU''a dUWHGhUHa Ybhf'f9-GŁ'UbX'hY'€GC%(\$\$%9bj ]fcba YbHU'A UbU[ Ya Ybh GmgHya 'f9A GŁ'ZUa Yk cf\_' 'hYb'dfcj ]XYg'Ub']bfcXi W]cb'Zcf'Yb[ ]bYYfg'cb'Ybj ]fcba YbHU''Uk ]b 5i ghU]U'UbX'B GK ž'ZcW'g]b[ 'cb'd'Ubb]b[ 'Uk ž'UbX'dc''i h'cb''Uk g''9bj ]fcba YbHU''YWcbca ]Wg'a YhcXg'hc UWWci bhZcf'Ybj ]fcba YbHU''ja dUWg]b'a cbYHUfmHYfa gž'UbX'hY'i gY'cZa Uf\_Yha YWUbg]ga g'hc'UWX]Yj Y dfYZffYX'Ybj ]fcba YbHU''ci hWca Yg'jg'Wcj YfYX'UhU''Yj Y''gi ]hUV'Zcf'Yb[ ]bYYfg"

## 7ci fgY'5]a g

H\]g'Wci fgY'Vi ]Xg'cb'hY'VfcUX'a i 'hX]gWd']bUfm]bfcXi W]cb'hc'gi ghU]bUV]]hmdfcj ]XYX']b'hY 9B; ; %\$\$\$'9b[ ]bYYf]b[ '8Yg][ b'UbX'€bcj Uh'cb'dfc'YWgž'UbX'hY'fUb[ Y'cZYbj ]fcba YbHU'a UHYf]U' UWWci bh]b[ ž'Ybj ]fcba YbHU''fg\_'UggYgga Ybhf'UbX'cdYfUhcbg'fYgYUfW'hc'g']bfcXi W'X'hc'VY'UV'Y'hc ei Ubh]ZUV'mXYZ]bY'gi ghU]bUV'Y'YWcbca ]Yg'Uh'hY'W'fdcfUH'UbX'fY[ ]cbU''gWY' ]b'7J 9B%+\$% 9bj ]fcba YbHU''Df]bW]d'Yg'UbX'GmgHya g''hY'Wci fgY'k ]''bfcXi W'9bj ]fcba YbHU''a dUWHGhUHa Ybhf f9-GŁ'ž'9bj ]fcba YbHU''A UbU[ Ya YbhGmgHya g'f9A GŁ'UbX'W'fdcfUH'UbX'fY[ ]cbU''Ybj ]fcba YbHU' fYdcf]b[ ž'YUW'cZk \]W' 'i gYg'hY'hc'g'W'cj YfYX']b'7J 9B%+\$%'hY'Wci fgY'hYb'[ cYg'cb'hc'W'cj Yf Ybj ]fcba YbHU''Uk 'UbX'YWcbca ]Wgž'k \]W' WUb'VY'i gYX'hc'ja d'Ya Ybhgi ghU]bUV'Y'ghUHY[ ]Yg'Zcf W'fdcfUhc]bg'UbX'fY[ ]cbg''hY'Wci fgY'dfcj ]XYg'VUW\_[ fci bX'a UHYf]U'Zcf'Udd']W]h'cb']b'hY'Zc'ck ]b[ Wci fgYg']b'MUF' 'UbX'(.

- 7J 9B' ) \$&'K UHYf'UbX'k UghYk UHYf'Yb[ ]bYYf]b[
- 7J 9B' +\$&'Gc'X'k UghYg'UbX'W'cbHJa ]bUbhfUbgdcfh
- 7J 9B ( %\$( 'Gi ghU]bUV]]hm]b'W'cbgHfi W]cb
- 7J 9B ( +\$%'D'Ubb]b[ 'gi ghU]bUV'Y' ]bZUghfi W'i fY

H\Y'U]a 'cZ\]g'Wci fgY' ]g'hc'YbUV'Y'gri XYbhf'hc'i bXYfU\_Y'hY'dfYdUfU]cb'cZ9-Ggž'9A Gg'UbX Ybj ]fcba YbHU'fYdcf]gž'UbX'hc'VY'UV'Y'hc'\Uj Y'gi Z]WYbhi bXYfghU]bX]b[ 'cZYbj ]fcba YbHU''Uk 'UbX YWcbca ]Wg'hc'VY'UV'Y'hc'k cf\_'k ]h'dfcZYgg]cbU'g]b'hYgY'UfYUg']b'cfXYf'hc'ja d'Ya Ybhgi ghU]bUV'Y ghUHY[ ]Yg'Uh'W'fdcfUH'UbX'fY[ ]cbU''Yj Y'g" H\Y'cV'YW]j Yg'cZ'hY'Wci fgY'UfY'hc.

- \_bck 'hY'ghU]bXUfX'Zcfa Uhg'Zcf'9-Ggž'9A Gg'UbX'Ybj ]fcba YbHU'fYdcf]gž'UbX'hc'VY'UV'Y'hc'i gY Ybj ]fcba YbHU''UbU'm]W'hc'g'hc'W]h]W'mUbU'mgY'hYgY'XcW'a Ybhf'ž'UbX'VY'UV'Y'hc'a UbU[ Y'hY]f dfYdUfU]cb"
- UWci U]bhghi XYbhf'k ]h'hY'Z' bXUa YbHU'df]bW]d'Yg'\$ %

7ci fgY'@YUfb]b[ 'Ci hWca Yg

5Zf'gi WwggZ 'mWca d'Yh]b[ 'h]g'Wci fgY'z'nci 'g\ci 'X'VY'UV'Y'hc.

@YUfb]b[ 'Ci hWca Y	95 'GHJ[ Y'%7ca dYhYbW]Yg
%'9I d'U]b'UbX'XYa cbgfUHY 'hY 'hmd]WJ'`gfi Wfi fY'UbX'Zcfa UhcZ 9bj ]fcba YbHJ'`a dUWfiGHUHYa YbHg'f9 -GŁ'UbX'9bj ]fcba YbHJ' A UbU[ Ya YbhGmgHYa g'f9A GŁ	D9%"%žD9%"* žD9' "%
&"5dd'mYbj ]fcba YbHJ'`UbU'mh]WJ'`hc'g'hc'YI Ua ]bY'UbX'XYj Y'cd Ub'9-Gž9A G'UbX'gi ghU]bUV]]mifYdcfhZcf'U'hmd]WJ'`dfc'YWž c f[ Ub]gU]cb'cf'fY[ ]cb	D9%"&žD9&"&žD9' "&žD9' "*"
' "'-bYfdFYhHY'`Uk g'hUhUdd'mhc'Ybj ]fcba YbHJ'`ja dUWg'cZ dfc'YWg'`b'BGK'`UbX'5i ghU'UžUbX'`bYfdFYhHY]f'i gY'`b'9-Gž 9A G'UbX'gi ghU]bUV]]mifYdcfng	D9%" žD9' "%žD9' "&
('9I d'U]b'YWcbca ]WUbU'mh]WJ'`a YhcXg'UbX'Yj U'i UHY 'hY]f Udd'W]h]cb'`b'9-Gž9A G'UbX'gi ghU]bUV]]mifYdcfng	D9%"%žD9%" žD9' "%žD9' "(
)"8Yj Y'cd'UbX'dfYdUFY'9-Gž9A G'UbX'gi ghU]bUV]]mifYdcfng'Vm Wc'`UvcfU]b[ 'k ]h'Ub'Ybj ]fcba YbHJ'`YWcbca ]gh]b'U a i 'hX]gW]d'`bUfmiHYa'Zcf'U'fUb[ Y'cZdfc'YWgžWc'fU]cbg'UbX fY[ ]cbg	D9%" žD9' "&žD9' "*" žD9' "' ž D9' ")

HYUWx ]b[ 'GhfUHY[ ]Yg'

@YWi fYg'k ]'`dfcj ]XY'Ub'YI d'UbU]cb'cZdfcWwXi fYg'hc'Zc'`ck'`hc'dfYdUFY'9-Gg'UbX'9A Gg'UbX'hc'`ja d'Ya Ybh gi ghU]bUV]]mghfUHY[ ]Yg'`b'hYgY'XcW a YbHg'Vmk UmicZYbj ]fcba YbHJ'`Uk'`UbX'YWcbca ]Wg'9I Ua d'Yg'k ]' VY[ ]j Yb'`b'hYgY'`YWi fYg'"Gh XYbHg'hYb'bYXX'hc'`YUfb'hYgY'dfcWwXi fYg'VmiUdd'm]b[ 'hYa'`hc'fYU'k'cfX dfcV'Ya g'hUhHYm\Uj Y'gca Y'ZJa ]]Uf]mik ]hžVmk UmicZUgg][ ba YbHg"

H\Y'UddfcUWxYg'hc'`YUfb]b[ 'UFY.

@YWi fYg	•



fY[ i `Uh]cb"

- 5dd`]WUh]cb`cZ7 cgh6YbYZ]h5bU`mg]g`]bhc`Ybj ]fcba YbHJ`dc`]WriXYW]g]cbg"


5ggYgga Ybh&. '9bj ]fcba YbHJ`@Uk

GhUfhXUHy. 'K YY\_ '(

5ggYgga Ybh`Yb[ h. 'gdYW]ZYX`Vm`YWi fYf

8i Y`XUHy. '\$\*#\$( #&\$&&\$, .\$\$`DA

H\]g`]g`Ub`]bX]j ]Xi U`žk f]Hb`Ugg][ ba Ybhk cft\ " \$i `cZhY`Wci fgY`a Uf`\_UbX`]g`XYg][ bYX`hc`hYghghi XYbht`  
i bXYfgHUbX]b[ `cZhY`Z bXUa YbHJ`df]bW]d`Yg`cZ5i gfU`]Ub`Ybj ]fcba YbHJ``Uk `UbX`\ck`h`YgY`df]bW]d`Yg  
UfY`Udd`]YX`hc`]a dcfHUbhUfYUg`cZYbj ]fcba YbHJ`a UbU[ Ya YbhUbX`fY[ i `Uh]cb"

H\]g`Ugg][ ba Ybh]g`gi Va ]HbX`h`fci [ \ `Hi fb]Hb`UbX`ghi XYbht`Xc`bchigYY`Hi fb]Hb`gja ]`Uf]mfYdcfhtg"

5ggYgga Ybh' . '9bj ]fcba YbHJ`9Wcbca ]Wg

GhUfhXUHy. 'K YY\_ '+

5ggYgga Ybh`Yb[ h. " \$\$\$!' ) \$\$\$`k cfXg

8i Y`XUHy. '&#\$( #&\$&&\$, .\$\$`DA

5`[ fci d`Ugg][ ba YbhU]a YX`UhUdd`m]b[ `Y`Ya YbHJfmYWcbca ]Wa Yh`cXg`UbX`hc`c`g`hc`Ub`Ybj ]fcba YbHJ`  
dfcV`Ya `UbX`UhXYHfa ]b]b[ `k \Yh`Yf`XYW]g]cbg`UVci hYbj ]fcba YbHJ`dc`]Wmg\ci `X`VY`a UX`Y`cb`h`Y`VUg]  
cZYWcbca ]WUbU`mg]"

H\]g`Ugg][ ba Ybh]g`gi Va ]HbX`h`fci [ \ `Hi fb]Hb`UbX`ghi XYbht`Xc`bchigYY`Hi fb]Hb`gja ]`Uf]mfYdcfhtg"

5ggYgga Ybh( . : ]bU`9I Ua

5ggYgga Ybh`Yb[ h. '&\ci fg

8i Y`XUHy. : ]bU`9I Ua `dYf]cX

Gi a a Uh] Y`UggYgga Ybhcb`h`Y`ZUa Yk cf\_g`UbX`YWcbca ]Wg`dUfHcZhY`Wci fgYžfY`UH`X`hc`Wci fgY  
cV`YW]j Yg`UbX`YUfb]b[ `ci h`Wca Yg`"H\Y`YI Ua `k ]`VY`U`&!ci f`cdYb!Vcc`\_`YI Ua `Xi f]b[ `h`Y`bcfa U`YI Ua  
dYf]cX`"H\YfY`k ]`VY`h`fY`ei Ygh]cbg`hc`VY`Wca d`Yh`X/cbY`cb`Ybj ]fcba YbHJ`ZUa Yk cf\_g`UbX`hk`c`cb  
YWcbca ]Wg`"H\YfY`k ]`bchVY`Ubm`Uk`ei Ygh]cbg`]b`h`Y`YI Ua "H\Y`ei Ygh]cbg`k ]`[ YbYfU`mVY`gja ]Uf`hc  
h`Y`YI YfW]gYg`UbX`ei Ygh]cbg`X]gW`ggYX`]b`k`cf\_g\cdg`UbX`YWi`fYg`"H\YfY`UfY`bc`dfYj ]ci`g`YI Ua `dUdYfg  
Uj U]UV`Y"



# 5 hYbXUbWY F Yei ]fYa YbHg

Gh XYbHg UfY gfcfb[ `mYbWci fU[ YX'hc UHhYbX'U''WUggYg UbX'fYj ]Yk ``YWñi fY'fYWcFX]b[ g"

## 7 ci fgY'GWXYXi `Y

[J \]Yk WUgg`ha YhUV`Y](#)

H]a YhUV`Y`

8UhY	HmdY	7cbhYbh
K YY_`%`%(` : YVfi Ufm! %` : YVfi Ufm	6`YbXYX	: F 5A 9K CF? G!``YWñi fY'Ž`k cf_g\cd  7 ci fgY`]bfcXi W]cb`/`cj Yfj ]Yk žGi ghU]bUV`Y 8Yj Y`cda YbhDf]bW]d`Ygž`bfcXi W]cb`hc 9bj ]fcba YbHU``a dUWñi5ggYgga Ybhf9`5Ł
	6`YbXYX	: F 5A 9K CF? G!``YWñi fY'Ž`k cf_g\cd  bfcXi W]cb`hc`9bj ]fcba YbHU``a dUWñiGHU]Ya YbHg f9`GŁ`F Yj ]Yk`cZa YhcXg`UbX`hc`g`fca 7 J 9B%+`\$%ž`5gg][ ba Ybh%6f]Y]b[
K YY_`&.`&%: YVfi Ufm! &)` : YVfi Ufm	6`YbXYX	: F 5A 9K CF? G!``YWñi fY'Ž`k cf_g\cd  DfYdUfU]cb`cZ9bj ]fcba YbHU``a dUWñiGHU]Ya YbHg f9`GŁ
	6`YbXYX	: F 5A 9K CF? G!``YWñi fY'Ž`k cf_g\cd  9bj ]fcba YbHU`A UbU[ Ya YbhGmghYa g`f9A GŁž Gi ghU]bUV`]`mfYdcff]b[
K YY_`"`.`&`,` : YVfi Ufm! (`A UfW	6`YbXYX	@5K !``YWñi fY'Ž`k cf_g\cd  DUfñi5.` : i bXUa YbHU`g`cZñY`5i ghU`]Ub`Y[ U` gmghYa ``8Ya cWUWñ]b`UW]cb/Wc`a a cb``Uk ž



6YbXYX

97BCA =>G!`YWñ fY`Ž`k cf\_g\cd

7cgh6YbYZh5bU`mg]g" žYI Ua ]bUñcb`fYj ]g]cb

F Ygci fWg

F YWta a YbXYX`F Ygci fWg

H\YfY`UFY`bc`fYei ]fYX`h\I h\cc\_`g`H\Y`Zc`ck ]b[ `UFY`fYWta a YbXU]cbg`

9bj ]fcb a YbHJ`@Uk .

H\YfY`]g`bc`fYei ]fYX`h\I h\cc\_`"8]gW gg]cb`]b`WUgg`UbX`i`gY`cZdck Yf`dc]bhd`fYgYbH]cbg`k ]`dfcj ]XY`h\Y`bYW`ggUfmXYHJ]`"Mci`a`UmU`gc`Wcbgi`h6U`H`gž;`9bj ]fcb a Ybh@Uk`]b`5i`ghU`]U`f&\$%-Ł`%\$h`"9X`@YI ]gB`YI ]g`"4]g`Uj`U]UV`Y`]b`h\Y`"Uk`" ]VfUfm`

5VW`gg]b[ `h\Y`@Uk`" - [k k k "Ui gh\]\]YXi "Ui`f`h\\]g`k \]`"VY`YI`d`U\]bYX`\]b`WUggŁ`](#)

9bj ]fcb a YbHJ`9Wtbca ]Wg.

H\YfY`]g`bc`fYei ]fYX`h\I h\cc\_`"Gh`XYb]g`a`][`h`k`]g`h`c`Wcbgi`h\h\Y`Zc`ck ]b[ `h\I h\cc\_`]b`h\Y`" ]VfUfmZc`f`Z`f`h\Y`f`fYUX]b[ .

DYfa`UbžF`"žM`YžA`"ž7`ca`a`cbžA`"žA`UXX]gcbž8`"žUbX`A`W` ]j`fUnž`>"ž`&`\$`%`&ž`@SfgdS`^D`WéagdWS`V`7`h[da`\_`W`fS`^7`Ua`a`\_`[Uež`(`h`YX]h]cbž`DYUfgcb`9Xi`W]h]cb`@]a` ]h`Xž`9ggYI`"

5b`YUF`]f`YX]h]cb`cZ`h\]g`h\I h\cc\_`]g`Uj`U]UV`Y`Zca`h\Y`cdYb`fYgYfj`Y`gYW]cb`Uh`h\Y`I`BGK`" ]VfUfm`fG`" ` " `+#` ,`%&`"

5XX]h]cbU`F`YUX]b[`gž`gh`UbX`UF`Xg`UbX`[`i`]XY`]bY`XcW`a`Yb]g`k`]`"VY`dfcj`]XYX`h\fcI`[`h\ci`h\h\Y`"YW`h`fY`gYf]Yg`cb`I`BGK`"A`ccX`Y`k`]h`YUW`"YW`h`fY`"

7ci`fgY`9j`U`i`U]cb`UbX`8Yj`Y`cda`Ybh

K`Y`k`Y`Wta`Y`ghi`XYbhZYXVUW`h\fcI`[`h\ci`h\h\Y`Wci`fgY`fY`["`"h\fcI`[`h\h\Y`A`ccX`Y`8]gW`gg]cb`]:`cfi`a`Ł`"H\]g`]g`j`Yfm]a`dcf]h]b]h`c`i`g`-`Yhi`g`\_bck`k`h\U]h]c`i`h\]b`\_`k`cf\_g`k`Y`"UbX`k`h\U]h`Y`W]b`Xc`VY`h\Y`f`"H\]g`]bZc`fa`U]cb`k`]`"VY`i`gYX`h`c`Wcb]h]bi`U`m]a`dfcj`Y`h\Y`Wci`fgY`"

## Gi Va ]gg]cb'cZ5ggYgga YbhiHUg\_g

D`YUgY`fYZf`h`h`Y`A`ccX`Y`dU[ `Y`cZ`h`Y`W`i`fgY`Z`f`Z`f`h`Y`f`[ `i` ]XUbW`'cb`UggYgga Ybhgi Va ]gg]cb"

I BGK `Ug`U`g`h`U`b`X`U`f`X`U`h`Y`'gi Va ]gg]cb`d`Y`b`U`'h`m`c`Z`

- )i `d`Y`f`X`U`m`z`Z`f`U`U`UggYgga Ybhg`k` \`Y`f`Y`U`d`Y`b`U`'h`m`U`d`'Y`g`z`W`U`d`d`Y`X`U`h`Z`j`Y`X`U`m`g`f`%`&`\$` \`c`i`f`g`l`z`U`Z`Y`f`k` \`j`W`'U`'g`h`X`Y`b`h`W`U`b`b`c`h`g`i` Va ]h`U`b`U`g`g`Y`g`g`a`Y`b`h`z`U`b`X`'b`c`d`Y`f`a` ]h`Y`X`'j`U`f`U`h`]cb"

## 5 WUXYa ]W< cbYgmiUbX`D`U[ ]Uf]ga

6Yk UFY`5b`Ugg][ ba Ybh`h`Uh]bW` XYg`d`U[ ]Uf]gYX`a` UHf]U`k` ]`fYW]j` Y`U`\$i` :` U]z`UbX`gh` XYbfg`k` \c`  
d`U[ ]Uf]gY`a` UmZ]`h`Y`W`i` fgY`G`h` XYbfg`k` \c`d`U[ ]Uf]gY`UfY`U`gc` ]UV`Y`hc`X]gW]d`]bUfmUW]cbz`]bW` X]b[  
YI`W`g]cb`Zca`Ybfc`a`Ybh`

D`U[ ]Uf]ga` ]g`h`Y`i` gY`c`Z`U`bc`h`Yf`d`Yfgcb`g`k` cf`\_`cf`]XYUg`Ug`]Z`h`Ymk` YfY`mci` f`ck`b`"K` \Yb`]h]g`bYW]ggUfmcf`  
XYg]fUV`Y`hc`i` gY`c`h`Yf`d`Ycd`Y`g`a` UHf]U`mci` g`l`ci`X`UXYe`i` UH`m`UW]bck`YX[ Y`k` \cgY`k` cfXg`cf`]XYUg`h`Ym`

# 5WUXYa ]WbZcfa Uh]cb

: ]bU`9I Ua ]bUh]cbg.

: ]bU`YI Ua g`]b`H%&\$&&k ]`VY`VY`X`cb`]bY`VYrk`YYb`&- h`5df]`!`%&h`A`Um]bW]`g]`Yz`UbX`gi`dd`Ya`Yb]Ufm`  
YI`Ua`g`VYrk`YYb`&`fX`!`&+h`A`Um]bW]`g]`Y`"Mci`Ufy`fYei`]fYX`hc`VY`Uj`U]UV`Y`cb`h`YgY`XUhg`"D`YUgY`Xc`  
bchrc`a`U`\_Y`UbmidYfgcbU`cf`fUj`Y`UffUj`[`Ya`Ybhg`Xi`f]b[`h`]g`dYf]cX`"

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- ?YmGHUZZhc`7`cbhUWhZcf`5WUXYa`]W5Xj`]W`f]c[`]b`k`]h`mci`f`n`8`UbX`  
dUggk`cfXk`[\hfdg.##bhfUbYhWj`Yb\[`"i`bgk`"YXi`"Ui`#`YmghUZZhc`!`VcbfUW\]Xi`f\]b\[`!`mci`f\]gh`X\]Yg!`Uh`i`bgk`"](#)
- ?Yml`B`GK`8`UhYg`!`Y[`"7`Ybgi`g`8`UhYz`YI`Ua`XUhg`z`UghXUmhc`Xfcd`U`Wci`fgY`k`]h`ci`h`  
UWUXYa`]W#]bUbW]U`"UV]"mYhW`
- 7`J`9B`Gh`XYbh`bhfUbYh]f]c[`]b`k`]h`mci`f`n`8`UbX`  
dUggk`cfXk`[\hfdg.##bhfUbYhWj`Yb\[`"i`bgk`"YXi`"Ui`#`gh`XYbh\]bhfUbYh`](#)
- Gh`XYbh`@]Z`Uh`7`J`9B`z`]bW]`X]b[`Gh`XYbh`  
GcW]Yh]Yg`[\hfdg.##k`k`"i`bgk`"YXi`"Ui`#`b\[`\]bYYf\]b\[`#W\]`!`UbX\]Ybj`\]fcb`a`Yb\]U`!`Yb\[`\]bYYf\]b\[`#gh`XYbh`\]Z`"](#)
- GdYW]U`7`cbg]XYfU]cb.`[\hfdg.##gh`XYbh`i`bgk`"YXi`"Ui`#`gdYW\]U`!`Vcbg\]XYfU\]cb`"](#)

