



# AERO9660

5Xj UbWX'5YfcgdUW'Dfcdi `g]cb

HYfa `H\FYY`##`&\$&\$

GWcc`cZA YWUbjWU`UbX`A Ubi ZUW`f]b[ `9b[ ]bYYf]b[ `##`I BGK `9b[ ]bYYf]b[

7ci fgY`Cj Yfj ]Yk

GHJZZ7cbhJW`8YHU]`g

7cbj Ybcfg

B Ua Y	9a U]`	5j U]UV]`]m	@cWU]cb	D\cbY
>c\b`C`gYb	^c`gYb4 i bkg "YXi "Ui	Xi f]b[ `Wcbgi `hU]cbg	5]bkg cft\` 6i ]X]b[ " %&#7	- ' , ) `) &%+

GWcc`7cbhJW`bZcfa Uh]cb

@cWU]cb

I BGK `A YWU]b]WU`UbX`A Ubi ZUW` f]b[ `9b[ ]bYYf]b[

5]bkg cft\ `Vi ]X]b[ `>%+ž@Yj Y`%

5Vcj Y`7cZZY`cb`7Ua di g

<ci fg

-.\$\$-).\$\$da žA cbXUm=: f]XUm

f7`cgYX`cb`di V`]W\c`]XUmžGWcc`gWYXi `YX`Yj Yb]g`UbX`I b]j Yfg]mG\i hXck b

K YV

[GWcc`cZA YWU\]b\]WU`UbX`A Ubi ZUW` f\]b\[ `9b\[ \]bYYf\]b\[](#)

[9b\[ \]bYYf\]b\[ `Gh XYbhGi ddcfhGYfj \]Wg](#)

[9b\[ \]bYYf\]b\[ `bXi g\]f\]U`HfU\]b\]b\[](#)

[I BGK `Gh Xm5VfcUX`UbX`9I WU\]b\[ Y`fZcf`\]bVci bX`ghi XYb\]g](#)

[I BGK `: i h fy`Gh XYb\]g](#)

D\cbY

fZ`\*%&Ł- ' , ) ; ) \$\$-`Bi WYi g`Gh XYbh<i V

fZ`\*%&Ł- ' , ) `+\*\*%`-9b[ ]bYYf]b[ `bXi g]f]U`HfU]b]b[

fZ`\*%&Ł- ' , ) " %+-`-I BGK `Gh Xm5VfcUX`UbX`I BGK `9I WU]b[ Y`fZcf`]bVci bX`ghi XYb]g

fZ`\*%&Ł- ' , ) `(\$- +`-GWcc`C Z]W]H

fD`YUgY`bc]f`hU]hY`GWcc`C Z]W`k ]`bch\_bck `k \Yb#Zmci f`Wci fgY`Wcbj Ybcf]g`cb`Wla di g`cf Uj U]UV`Y

9a U]

[9b\[ \]bYYf\]b\[ \]Gh.XYbhGi ddcfhGYfj \]Wg](#) -W ffYbhghi XYbhYbei ]f]Yg

- Y"[ "Ybfc`a Ybž`dfc[ fYgg]cbžWUg\`fYei YgřžWci fgY`]ggi Yg`cf`dfc[ fUa !fY`UhYX`ei Yf]Yg

[9b\[ \]bYYf\]b\[ \]Xigf\]U`HfU\]b\]b\[ \]](#) -Xigf]U`HfU]b]b[ ]ei Ygh]cbg

[L.BGK`Gh.Xm5VfcUX](#) -`gh XmiUVfcUX`gh XYbhYbei ]f]Yg`fZcf`]bVci bX`gh XYbhgŁ

[L.BGK`9I.WU\]b\]Y](#) -`gh XYbhYI WU]b]Y`Ybei ]f]Yg`fZcf`]bVci bX`gh XYbhgŁ

[L.BGK`i`h`fY`Gh.XYbhg](#) -`dchYbh]U`gh XYbhYbei ]f]Yg

-

7 ci fgY'8YHJ`g

7 fYX]hDc]bHg '\*`

Gi a a UfmicZ`h`Y'7 ci fgY

H\Y`UbU`mg]g`cZ`fk`c!gdcc`ž`h`fVcZ]bž[ Ug]h`fV]bY`Yb[ ]bYg"

H\Y`W`bW`dhcZYI Yf[ m]UbU`mg]g`Zc`f`cdYb`h`Yfa`cXmbUa ]Wgmgh`Ya`g`UbX`hc`Udd`mi`h`lg`]XYU`hc`h`Y`W`ca`dcbYbHg`cZ[ Ug]h`fV]bY`Yb[ ]bYg"

7\Ya ]WU`fcW\_Yhg`UbX`]cb`h`fi`ghYfg"

H\Y`UbU`mg]g`cZ`Y`UhYI`W`Ub[ Yfg`UbX`hc`h`Y`V`Ug]W`UbU`mg]g`cZ`Y`Uh`f`UbgZ`f`Z`ca`gdUW`W`U`Z`f`

: ]b]h`h`ja`Y`h`Yfa`cXmbUa ]Wg`UbX`Udd`mi`hc`]b`h`fbU`W`ca`Vi`gh]cb`Yb[ ]bYg"

<][ \!gdYXX`dfcdi`g]cb`cdYfU]h]cbž`dUf]h]W`U`f`m]Z`f`a` ]]hUfm]Y`hU]f`W`U`Z`f`

9`Y`W`f]W`UbX`\`m`f]X`Y`Y`W`f]W`dfcdi`g]cb"

7 ci fgY'5]a g

5bU`mgY`h`Y`h`Yfa`cXmbUa ]WcdYfU]h]cb`cZU`fk`c!gdcc`ž[ Ug]h`fV]bYž`h`fVcZ]b`Yb[ ]bY"

I`bXYfg]h]UbX`h`Y`W`bW`dhcZYI Yf[ m]UbX`hc`V`Y`U`V`Y`hc`Udd`mi`h`lg`hc`g]a`d`Y`h`Yfa`cXmbUa ]WdfcW`ggYg`UbX`W`W`Y`g"

6Y`U`V`Y`hc`UbU`mgY`\`Y`UhYI`W`Ub[ Yfg`UbX`hc`Udd`f`Y`W`U]h`h`Y`X]Z]W`h]Yg`]bj`c`j`Yg`]b`UbU`mg]b[ \`Y`Uh`f`UbgZ`f`k`]h`f`Y`gd`Y`W`h`hc`gdUW`W`U`Z`f`

I`bXYfg]h]UbX`V`c`h`W`Ya ]WU`fcW\_Yhg`UbX`]cb`h`fi`ghYfg"

I`bXYfg]h]UbX`\][ \!gdYXX`dfcdi`g]cb`Z`c`f`a` ]]hUfmU]f`W`U`Z`f`

5bU`mgY`h`Y`V`Y`U`j`]ci`f`c`Z]b`h`fbU`W`ca`Vi`gh]cb`Yb[ ]bYg`i`g]b[ `h`Y`Z]b]h`h`ja`Y`h`Yfa`cXmbUa ]Wg`Udd`f`c`U`W`"

I`bXYfg]h]UbX`h`Y`X]Z]W`h]Yg`Vi`hU`gc`h`Y`V`Y`b`Y`Z]hg`c`Z`Y`Y`W`f]W`UbX`\`m`f]X`Y`Y`W`f]W`dfcdi`g]cb`g`m`g`h`Ya`g"

7 ci fgY`@YUfb]b[ `Ci`h`W`ca`Yg

5Z`Y`f`gi`W`W`gg`Z`\`m`W`ca`d`Y`h]b[ `h`lg`W`ci`fgY`ž`m`ci`g`l`ci`X`V`Y`U`V`Y`hc`.

@YUfb]b[ `Ci`h`W`ca`Y	95`G`hU[ Y`%`7`ca`d`Y`h]b]W]Yg
%`5bU`mgY`cZU`fk`c!gdcc`ž[ Ug]h`fV]bYž`h`fVcZ]b`Yb[ ]bY"	D9`%`%ž`D9`%`&ž`D9`%"`ž`D9`&`%ž`D9`%`&
&`9I`Yf[ m]UbU`mg]g	D9`%`%ž`D9`%`&ž`D9`%"`ž`D9`&`%ž`D9`%`&

@YUfb]b[ `Ci hWca Y	95 `GHU[ Y`%7ca dYhYbWYg
' "I bXYfghUbx]b[ `VcĤ `WYa ]WJ`fcW_Yhg`UbX`]cb`Ĥfi ghYfg"	D9%`%žD9%`&žD9%` žD9&`%žD9&`&
("`<YUhYI WUub[ Yf`UbX`fUX]Uĥcb`YUhYfUbgZyf`UbU`mg]g"	D9%`%žD9%`&žD9%` žD9&`%žD9&`&

## 5ggYgga Ybh

### 5ggYgga YbhHUg\_g

5ggYgga YbhHUg_	K Y][ \h	8i Y'8UHŸ	Gh XYbh@YUfb]b[ Ci hWta Yg'5ggYggYX
5gg][ ba Ybh%	%)\$	&, #-\$- #&\$&\$'%%\$\$'5A	%ž&
5gg][ ba Ybh&'	&\$	%* #/6/#&\$&\$'%%\$\$'5A	%ž&ž' ž( ž) ž*ž+
7`Ugg'HYgh	&\$	&* #/6/#&\$&\$'\$. \$\$'5A	%ž&ž' ž(
: ]bU`9I Ua`	) \$	Bch5dd`]WV`Y	%ž&ž'

### 5ggYgga Ybh8YhU]`g

5ggYgga Ybh%`5gg][ ba Ybh%

8YhU]`g.Ga U``5gg][ ba Ybh

5ggYgga Ybh&.`5gg][ ba Ybh&

GHUfhXUHŸ.`Bch5dd`]WV`Y

8YhU]`g.@Uf[ Yf'5gg][ ba Ybh

5ggYgga Ybh'`.7`Ugg'HYgh

GHUfhXUHŸ.`&\* #/6/#&\$&\$'\$. \$\$'5A

8YhU]`g.7`Ugg'HYgh

Hi fb]h]b'gYh]b[.`H\]g]g'bchU'Hi fb]h]b`Ugg][ ba Ybh

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

8YhU]`g.: ]bU`9I Ua`hUhWcj Yfg`Yj Yfmh]b[ "



>"8"7`Uf\_ž&\$%+ž;Y` [fa` ~ 3` [ `Xad\_ S^Z[efack aX[cg[V daU] Wf bđabW'S` fežF i h[ Yfg`I b]j Yfg]miDfYgg  
7`Ugg]Vg"

H"G"HUmicfž&\$-\$- ž;` fđVgUf[a` fa daU] Wf eU[W UWS` V W Y[ Wwđ[ Yž7F 7`DfYggž6cWU`F Urcbž: @  
' ' (, +!&+( &"

5""<i [ \Yg/` 6""8fi fmž&\$% + 7`WufdU \_ afađe S` V Vđ[hWđ 8g` VS\_ W fS`đ fkbWđ S` V Sbb[USf[a` ež( h  
9X]hcbžBYk bYg"

@"; i nnY`U/` 5"GW]UffYHJž&\$% žHWZ[U`Wbđabg`đ[a` ekefW\_ eł ;` fđVgUf[a` fa \_ aVW[ Y S` V abf\_ [l Sf[a` ž  
' fX`9X]hcbžGdf]b[ Yf"

K "K "Di`\_fUVY\_ž&\$\$( ž7` Y[ Wwđ[ Y Xg` VS\_ W fS`đ aXfZW[ fWđ S^Ua\_ Tgef[a` W Y[ Wž&bX`YX]hcbž  
DYUfgcb`DfYbh]W` < U""

>"6"<Ymk ccXž% , , ž;` fWđ S^Ua\_ Tgef[a` W Y[ Wđ Xg` VS\_ W fS`đžA W fUk` < ]""

8"7fUbYžBai Wđ S` fž&bX`9X]hcbž5G5`5A H!D&"

>"5"7Ua VYfcg/` 8">"A ccf\ci gYž&\$%ž7j Wđk S` S`ke[e S` V Vwđ[Y` abf\_ [l Sf[a` XadSWđebSUW  
hWZ[U`Wđ S` V ekefW\_ ež9X]hcf!]b!Wk]Yž: ""?""@ žJ c"" &, žDfc[ fYgg]b`UgrfcbUi h]Vg`UbX`UYfcbUi h]Vgž5`5ž  
fYgđcžJ ]f[ ]b]U"

>"8"5bXYfgcb`>f`ž&\$%žž;` fđVgUf[a` fa XfYZfžA W fUk` < ]`žBYk`Mcf\_ž`\$&\$&\$BM`

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

H\]g`]g`hY`gYWđbX`hja Y`h\]g`Wđi fgY`Ug`fi b"

Gca Y`a Uf]U`Ug`VYYb`YUj ]mi d[ fUXYX"

@UVcfUhcfmK cf\_g\cd`đZcfa Uh]cb

B #5



Gi Va ]gg]cb'cZ'5ggYgga YbhiHUg\_g

5ggYgga Ybhgi Va ]gg]cb'UbX'a Uf\_]b[ 'Wf]hYf]U

G\ci 'X'hY'Wci fgY'\Uj Y'Ubmcbcb!Y'YWfcb]WUggYgga Ybhgi Va ]gg]cbz'hYgY'g\ci 'X'\Uj Y'U'ghUbxUfX  
GWcc`Wcj Yf'g\YYH'

5`gi Va ]gg]cbg'UfY'YI dYWfX'hc'VY'bYUhiUbX'WYUfmgYhici H'Mci f'fYgi 'hg'UfY'hY'd]bbUWY'cZU`mci f'\UfX  
k cf\_'UbX'g\ci 'X'VY'hYUfX'k ]h'Xi Y'fYgdYWf'DfYgYbh]b[ 'fYgi 'hg'WYUfmi[ ]j Yg'hY'a Uf\_Yf'hY'VYgh'WUbwY  
cZi bXYfgfUbx]b[ 'mci f'a YhcX/Yj Yb']ZhY'bi a Yf]WU'fYgi 'hg'UfY']bVc'ffYWf'

UggYgga YbhdYfZcfa UbWžmci 'UfY'Y'[ ]V'Y'hc'Udd'mZcf'GdYWU'7 cbg]XYfUhc'b'df]cf'hc'gi Va ]h]b[ 'Ub  
UggYgga Ybhcf'g]h]b[ 'Ub'YI Ua "

I BGK 'bck '\Ug'U': [\]h\]c'G\]h#Gi Va \]hfi\\_Yžk \\]](#)W'a YUbg'hUh]Zmci 'UhtYa dhUb'YI Ua 'cf'gi Va ]hU'd]YW'cZ  
UggYgga Ybhžmci 'UfY'XYWUf]b[ 'mci fgY'Z]hYbci [ '\ 'hc'Xc'gc'UbX'WUbbch'Uhtf'Udd'mZcf'GdYWU'  
7 cbg]XYfUhc'b"

: cf'XYHU]g'cZUdd'm]b[ 'Zcf'GdYWU'7 cbg]XYfUhc'b'UbX'WcbX]h]cbg'Zcf'hY'Uk UfX'cZgi dd'Ya YbhUfm  
UggYgga Ybhž'd'YUgY'gYY'hY'jbZcfa Uhc]b'cb'I BGK 'g'[GdYWU'7 cbg\]XYfUhc'b'dU\[ Y"](#)

D'YUgY'bcHY'hUhighi XYbhg'k ]'bchVY'fYei ]fYX'hc'dfcj ]XY'UbmXcW a YbhUfmYj ]XYbW'hc  
gi ddcfhUVgYbW'g'Zca 'UbmWUggYg'a ]ggYX'VYWU]i gY'cZ7CJ -8!%- 'di V']W\YU'h' a YUgi fYg'gi W'Ug  
]gc'Uh]cb" I BGK 'k ]'bchVY' ]bg]gh]b[ 'cb'a YX]W'Wf]h]W]hYg'Zca 'UbmcbY'XYYa YX'hc'VY'U'dcg]h] Y'WUgYž  
cf'k \Yb'hYm\Uj Y'fYVčj YfYX" 'Gi W'Wf]h]W]hYg'UfY'X]Z]W 'h'hc'cVHU]b'UbX'di hUb'i bbYW'ggUfm]gh]U]b'cb  
gh XYbhg'UbX'a YX]W'ghUZZ'

5dd']W]h]cbg'Zcf'gdYWU'Wcbg]XYfUhc'b'k ]'VY'fYei ]fYX'Zcf'UggYgga YbhUbX'dUfh]W]dUhc'b'UVgYbW'g'—  
Vi hbc'XcW a YbhUfmYj ]XYbW'Zcf'7CJ -8 %- ]'bYgg'cf']gc'Uh]cb'k ]'VY'fYei ]fYX' ]b'H' "

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

I BGK `Ug`Ub`cb[c]b[ `Wca a ]ha Ybhlc`ZcghYf]b[ `U`W`hi`fY`cZ`YUfb]b[ `]bZcfa YX`VmiUWUXYa ]W]bhY[ f]m`5`  
I BGK `gh`XYbhg`Uj`Y`U`fYgdcbg]V`]mhc`UX`YfY`hc`h`g`df]bW]d`Y`cZUWUXYa ]W]bhY[ f]m`D`U[ ]Uf]ga  
i bXYfa ]bYg`UWUXYa ]W]bhY[ f]m]UbX`]g`bchlc`YfUHX`Uhl`BGK`"B`SY[Sde\_`SfG@E|`[e VWX` VW`Se ge[`Y`  
fZWi`ad/e`ad[VWSe`aXafZW`S`V`bSee[`Y`fZW\_`aXSe`kagdai` `z`

D`U[ ]Uf]ga `]g`U`hmdY`cZ]bhY`YW`i`U`h`YZ`i`#iW]b`hU`\_Y`a`UbmiZcfa`gZ`Zca`XY`]VYfUHX`WX`YU]b[ `hc`UWUXYbH`U`m`  
W`dm]b[ `Zca`U`gci`fW`k`]h`ci`hUW`bck`YX[`Ya`Ybh`I`BGK` `Ug`dfcXi`WX`U`k`YVg]h`k`]h`U`k`YU`h`cZ`  
fYgci`fW`g`hc`gi`ddcfhgh`XYbhg`hc`i`bXYfgHbX`UbX`Uj`c]X`d`U[ ]Uf]ga`z`j`]h`[gh`XYbh`i`bgk`"YXi`"Ui`#d`U\[ \]Uf\]ga`"](#)  
H`Y`@YUfb]b[ `7`YbhY`Ugg]ghg`gh`XYbhg`k`]h`i`bXYfgHbX]b[ `UWUXYa ]W]bhY[ f]m]UbX`ck`bchlc`d`U[ ]Uf]gY`  
H`Y`mi`U`gc`lc`X`k`cf\_g`l`cdg`UbX`W]b`Y`d`gh`XYbhg`cbY!`cb!`cbY`"

Mci`U`fY`U`gc`fYa`]bXYX`h`UhWUfYZ`h`a`Y`a`UbU[`Ya`Ybh]g`Ub`ja`dcfHbhdUfhcZgh`XmiUbX`cbY`cZ`h`Y`  
]X`Ybh]Z`Y`X`W]i`gYg`cZ`d`U[ ]Uf]ga`]g`d`ccf`h`a`Y`a`UbU[`Ya`Ybh`G`h`XYbhg`g`l`ci`X`U`ck`gi`Z`W]Ybh]h`a`Y`Z`c`f`  
fYgYUfW`X`Z`X`fU`Z]b[ `UbX`h`Y`dfcdYf`fY`Z`fY`bW]b[ `cZ`gci`fW`g`]b`dfY`dUf]b[ `U`UggYgga`Ybh]Ug\_g`"

Z`d`U[ ]Uf]ga`]g`Z`ci`bX`]b`mci`f`k`cf`\_`k`Y`b`mci`U`fY`]b`Z`fghmY`UfZ`mci`f`Y`W`i`fY`f`k`]`c`Z`Y`f`mci`Ugg]ghU`bW`hc`  
]a`dfcj`Y`mci`f`UWUXYa ]Wg\_]`g`"H`Y`ma`UmUg\_`mci`hc`cc\_`Uhgca`Y`cb`]bY`fYgci`fW`gZ`U`hY`bX`h`Y`@YUfb]b[`  
7`YbhY`Z`cf`gca`Y`h`a`Yg`fYgi`Va`]h`mci`f`k`cf`\_`k`]h`h`Y`dfcV`Ya`Z]`YX`"<ck`Yj`Yf`a`cfY`gYf]ci`g`]bgHbW`g`]b`Z`fgh`  
mY`UfZ`gi`W`Ug`gh`U`]b[ `UbchYf`gh`XYbhg`k`cf`\_`cf`dU]b[ `gca`YcbY`hc`Xc`mci`f`k`cf`\_`za`UmVY`]bj`Ygh[`UH`X`  
i`bXYf`h`Y`G`h`XYbhA`]gW`bXi`W`h`D`fcW`Xi`fYg`"

F`YdYUH`X`d`U[ ]Uf]ga`fYj`Yb`]b`Z`fghmY`UfZ`d`U[ ]Uf]ga`U`Z`Y`f`Z`fghmY`UfZ`cf`gYf]ci`g`]bgHbW`gZ`a`UmU`gc`V`Y`  
]bj`Ygh[`UH`X`i`bXYf`h`Y`G`h`XYbhA`]gW`bXi`W`h`D`fcW`Xi`fYg`"H`Y`d`YbU`h`Y`gi`bXYf`h`Y`dfcW`Xi`fYg`W]b`]bW`i`XY`  
U`fY`Xi`W`h`cb`]b`a`Uf\_gZ`Z]`]b[ `U`W`i`fgY`cf`Z`c`f`h`Y`a`cghgYf]ci`g`a`UH`Y`fg`f]`\_Y`d`U[ ]Uf]ga`]b`Ub`l`cbci`fg`  
h`Y`g]g`L`Yj`Yb`gi`gdYbg]cb`Zca`h`Y`i`b]`Yfg]m`H`Y`G`h`XYbhA`]gW`bXi`W`h`D`fcW`Xi`fYg`UfY`Uj`U]UV`Y`Y`fY`.

[k`k`k`"\[g`i`bgk`"YXi`"Ui`#d`U\[ \]Uf\]ga`\]gW`bXi`W`h`D`fcW`Xi`fYg`"dXZ`](#)

5 WUXYa ]W=Zcfa Uh]cb

7 fYX]hdc]bhg

7 ci fgY`WYX]hg`W`W`UH`X`]b`I` b]hg!C Z 7 fYX]hfl C 7 E`H`Y`bcfa U`k cf`cUX`YI dYWUh]cb`Zf`cbY`I C 7

⇒ dcfhUbh@]b\_g

- [A ccX`Y](#)
- [@UV`5WV`gg](#)
- [<YU`h`UbX`GUZYhm](#)
- [7ca`di`hb\[`: UW`hYg](#)
- [Gh`XYbhF`Ygci`fW`g](#)
- [7ci`fgY`Ci`h\]bYg](#)
- [9b\[ \]bYYf\]b\[ `Gh`XYbhGi`ddcfhGYfj`\\_W`g:7YbhfY](#)
- [A`U`YfgdUW`](#)
- [I`BGK`H\]a`YhUV`Y](#)
- [I`BGK`<`UbXVcc`](#)
- [I`BGK`A`YWX`Ub\]W\]`UbX`A`Ubi`ZUW`h`f\]b\[ `9b\[ \]bYYf\]b\[](#)
- [9ei`\]hUV`Y`@YUfb\]b\[ `GYfj`\\_W`g](#)

⇒ U[ Y`7`fYX]h

GmbYf[ ]Yg`]b`Gci`bX`&\$%\*`

7F ⇒ CG

7F ⇒ CG`Dfcj`]XYf`7`cXY.`\$\$\$-`,`;

5W\_bck`YX[ Ya`YbhcZ`7`ci`b]fm

K`Y`UW\_bck`YX[ Y`h`Y`6YXY[ U`d`Ycd`Y`k` \c`UFY`h`Y`f`UX]h]cbU`W`g`h`X]Ubg`c`Z`h`Y`UbXg`cb`k` \]W`I`BGK`  
?`Ybg]b[ h`cb`W]a`di`g`]g`c`W]h`Y`X`"

