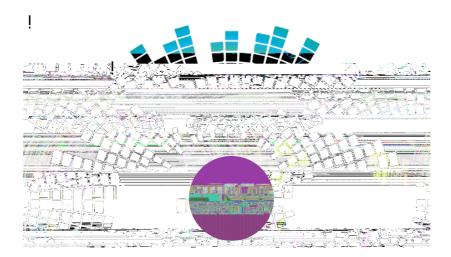


# Commissioning Brief



Commissioning Brief No.: !!!"!#\$

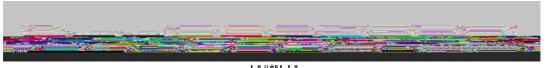


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/-. 7A3K!/+21/AH+33!-P!$+0N-/G3!B17!F+!P-. 7A!-7!0*+!@80B*872!UA+13!L12+!-P!0*+!V1A8-!"-668338-7872!W+F380+X!
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\*00L3XYYNNN)FFB)B-). GYB-668388-7872Y/1A8-YL80B\*872;8A+13Y!

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II
$-!H10+!3. F68338-73!N8HIF+!1BB+L0+A)!
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) E<>@(11#(!<>B=L(
<<"!' - . 7A3!83!0*+!30/+16872!6+A81!17A!1. A8-!A-N7H-1A!3+/M8B+!P/-6!0*+!<<"!
0*10!87BH. A+3!H8M+!/1A8-!F/-1AB1303K!1. A8-!-7!A+617AK!17A!L-AB1303)!%*+!3+/M8B+!
83!1M18H1FH+!-7!1!N8A+!/172+!-P!A+M8B+3K!87BH. A872!6-F8H+!L*-7+3!17A!01FH+03K!
L+/3-71H!B-6L.0+/3K!B1/3K!17A!361/0!0+H+M838-73)!!
W80*!-M+/!J9K999!*-./3!-P!1. A8-!1H/+1A?!1M18H1FH+!-7!<<"!'-.7A3K!N+!1/+!
B-730170H?!30/8M872!0-!F/872!0*+!F822+30!01H+70!0-!0*+!LH10P-/6!17A!N-/G!N80*!
L/-A. B08-7!B-6L178+3!1/-. 7A!0*+!N-/HA!0-!B/+10+!1N1/A!N877872!B-70+70)!
<<"!' -. 7A3Z!01/2+0!1. A8+7B+!83!. 7A+/![\!?+1/3!-P!12+)!
II
) E < \ge @(11 \# (1 A@I LAXI))
<<"!<80+38=+!83!0*+!]^Z3!H+1A872!P/++!+A. B108-7!/+3-. /B+)!#. /!+RB+HH+70!
B. //8B. H. 6;H87G+A!B-70+70!3+/M+3!17!1. A8+7B+!-P!H+1/7+/3!12+A![;(: K!N80*!1!
F/17A!L/-683+!-P! W+ZM+!2-0!?-.)`)!!
5HI = ./IB = 70 + 70I83I61A + I17AI/ + M8 + N + AIF?I0 + 1B* + /3IN* - I1/ + I+RL + /0I87I0* + 8/IP8 + IIA)I
\%+1B^*+/3!1/+!17!86L-/0170!1. A8+7B+!17A!<80+38=+!83!0^*+!/+3-. /B+!6-30!
/+B-66+7A+A!F?!3+B-7A1/?!0+1B*+/3)!<<"!<80+38=+!83!1! A8/+B0!0-!H+1/7+/`!
/+3-./B+X!80!3*-.HA!F+!P.Hr?!1BB+338FH+!0-!?-.72!L+-LH+!1BB+33872!80!
87A+L+7A+70H?!F. 0!F+!-P!1!a. 1H80?!0*10!0+1B*+/3!N-. HA!/+B-66+7A)!
$TI(&HH<;@>BA@F(
W+!N-. HA!H8G+!0-!B-668338-7!3*-/0!P-/6K!B. //8B. H. 6:H87G+A!1. A8-!B-70+70!P-/!
([C(:;?+1/;-HA!H+1/7+/3!b^{'}[!87!&72H17AcK!N*8B*!N8H!F+!A83B-M+/1FH+!-7!F-0*!]
<<"!<80+38=+!17A!<<"!' - . 7A3)!
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||7| < |''|' - 7A3!N + ||1/+||B/+||10872||1||7 + N|| > 830 - /|2||L - AB130||P + A||0 - ||B - M + /||3 + ||H + B0 + A||
0-L8B3!-7!0*+!D"' &!*830-/?!3?H1F. 3)!!
\#7!FFB)B-). GYF80+38=+!N+!+7M8312+!0*10!+1B*!87A8M8A. <math>1H!+L83-A+!N8H!F+!
+6F+AA+A!87!0*+!/+H+M170!L12+!-P!B. //8B. H. 6!B-70+70!3-!0*10!H+1/7+/3!N8H!P87A!
0*83!/8B*!1. A8-!B-70+70!10!0*+8/!L-870!-P!7++A!17A!0*+7!2-!-7!0-!+RLH-/+!17A!
3. F3B/8F + !0 - !0* + !N* - H + !3 + /8 + 3! - 7! < < ''!' - . 7A3)!!
W+!1/+!H-G872!P-/!B-70+70!N*8B*!LH1?3!0-!0*+!30/+720*3!-P!0*+!1. A8-!6+A8. 6!
17A!B-6LH+6+703!/10*+/!0*17!F+872!17!1H0+/7108M+!0-!-. /!+R830872!B-70+70!
P-/6103K!N*8B*!87BH. A+!0+R0K!M8A+-K!87P-2/1L*8B3K!870+/1B08M+3K!a. 8==+3K!17A!
386. H108-7!216+3)!
Q:DI@Q>=AIB?I*(
W+!*1M+!L.0!0-2+0*+/!1!L1BG!-P!1.A8+7B+!87382*03!17A!3.FS+B0;3L+B8P8B!87382*03)!
\%*+!L1BG!B17!F+!P-.7A!*+/+X!!
233&)4++55560(/&7/869/: +)9;+<*+9*=2$>. ?@$A?5@#8B0$$&+CCDEC*3' )*F' EG=0*' H9' )EI J9$E
-#-@K2*)3/(B6&&38L(;$'BM-N070@5.2'APQ$: 9&.P92F;JPR)3M/J2NF$3NRO;M#!
! > EYI ?@(E;AIN*(7#!"(TAL@<;F(
W+11+11-6872!P-11!<80+38=+1*830-19!P-1610!0*10!N8H1*+HL130. A+7031. 7A+13017A!
17A!/+M83+!0-L8B3!87!D"' &!*830-/?!17A!L/+L1/+!0*+6!P-/!0*+8/!+R163)!!
100!N8H1F/+1G!A-N7!13X1
: !3+/8+3!-7!1!/172+!-P!*830-/?!0-L8B3!17A!+R16!3G8H3)!!
&1B*!3+/8+3!N&H|B-M+/!G+?!P1B03K|+RLH17108-73|-P!B-7B+L03!17A|1!a. &=!+H+6+70!-7!
0*+!0-L8B!17A!N8H!F+!F/-G+7!A-N7!870-!J!+L83-A+3)!U0!N8H!1H3-!B-M+/!*830-/8B1H!
3G8H3!87BH. A872!. 3872!17A!171H?3872!3-./B+3!13!N+HH!13!01BGH872!A8PP+/+70!0?L+3!-P!
+R16!a. +308-73)!!
\%1/2+0!1. A8+7B+X!D''' &!30. A+703!12+A!(\;(:!L/+L1/872!P-/!0*+8/!*830-/?!+R163)!
'0. A+703!61?!1H3-!F+!. 3872!0*+!0-L8B!3+/8+3!10!17?!086+!A. /872!?+1/3!(9;((!
N*8H30!H+1/7872!0*-3+!0-L8B3!17A!/+M83872!P-/!BH133!0+303)!
D''' \&!*830 - /?!83!1!G7 - NH+A2+;*+1M?!3. FS+B0!133+33+A!+708/+H?!F?!P871H!+R16)!%*+!
B*1HH+72+3!P-/!30. A+703!87BH. A+X!0*+!3*++/!M-H. 6+!-P!B-70+70K!/+6+6F+/872!
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A10+3K!+M+703!17A!-0\*+/!G+?!P1B03K!B\*/-7-H-2?K!. 7A+/3017A872!3-. /B+3!17A! d\*830-/8B1H!0\*87G872Z!87BH. A872!B1. 3108-7K!B\*172+K!3868H1/80?K!870+/L/+0108-73!17A! 38278P8B17B+)!!!

<<''!<80+38=+!83!1!L-L. H1/!A+3087108-7!P-/!D''' &!\*830-/?!/+M838-7)!!%\*+!L. /L-3+!-P!
0\*83!3\*-/0!P-/6!1. A8-!B-66838-7!83!7-0!0-!A. LH8B10+!0\*+!/8B\*K!A+018H+A!610+/81H!
1H/+1A?!87!-. /!D''' &!30. A?!2. 8A+3!F. 0!0-!1. 26+70!80!C!+RLH-/+!0\*+!0-L8B3!0\*10!1/+!
N8A+H?!30. A8+A!10!D''' &K!+M1H. 10+!17A!+RLH187!8A+-H-28+3!17A!+M+703K!A+M+H-L!
30. A+703Z!+R16!3G8H3!17A!61G+!G+?!P1B03!6+6-/1FH+)!</pre>

7#!"(TAL@<;F(H<=?QL@(L1;A1L(@@C1L((

- D"'&!\*830-/?!+R16!3G8H3!!
- 49 !"+70. /?!D+/617?!!
- &H8=1F+0\*!U!

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- %\*+!"-HA!W1/!e!f8+0716!!
- %\*+!]'5!(g49!C!(gh\!!
- %\*+!</8083\*!&6L8/+!e!682/108-7!B)(: 99;(g993!

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6+A81!+RL+/083+!?-.!61?!*1M+!87!?-./!0+16)!>-N+M+/K!N+!N-720!F+!
B-668338-7872!0*+!1. A8-!-7!0*+!30/+720*!-P!0*+!3-B81H8A+1)
!

' 1(PI(PIC?<MI(QBF(`>IL@A<BL(F<>(MQF(TQKI(QE<>@@TAL(E;AIN(^(HCIQLI(?<B@Q?@(281B-6-)3*8668723EFFB)B-).G!!
!

: S!!!!!!>L@QABQEACA@F(
!!

%*+!<<"!83!B-66800+A!0-!87P-/6872!17A!873L8/872!H830+7+/3!1F-.0!*-N!0*+?K!13!
87A8M8A. 1H3K!B17!01G+!30+L3!0-N1/A3!6-/+!3. 301871FH+!H8M872)!!!

I - ./!L/-L-31H3*-. HA!B-738A+/!*-N!0*+!+A80-/81H:17A!L/-A. B08-7!6+0*-A3!
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B-70/8F.0+!0-N1/A3!0\*+!<<"73!\$+0!m+/-!30/10+2?!C!?-.!B17!/+1A!1F-.0!0\*83!\*+/+)!

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\S(alf(+lCAKI;QECIL(
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   • )>=A<((
      Q+H8M+/+A!F?!Q/-LF-R!13!1!)N1M!;!(:!F80![JG!A.1H!6-7-Y30+/+-!P8H+3)!!
      () 52/++A!7.6F+/!-P!+L83-A+3!C!B-6LH+0+!N80*!<<"!'-.7A3!30872)!
      4) 187+/3!P-/!1. A8-!0/18HK!13!/+a. +30+A)!!
   ;<M<@I<BQC(MQ@I;AQC((((!</li>
      ()!' + /8 + 3!L* - 0 - 3X!10!H + 130!P8M + !L* - 0 - 3!0*10!/ + L/ + 3 + 70!0* + !3 + /8 + 3!13!1!N* - H + K!
      87BH. A872!1!L8B0. /+!-P!0*+!L/+3+70+/)!@H+13+!+73. /+!0*10!0*+!L8B0. /+3!B17!
      F+!B-LL+A!13!1!3a. 1+!b(9J9R(9J9!A86+738-73c)!
      i)!@/+33!e!T1/G+0872X!"--/A87108-7!N80*!*-303YL/-A. B08-7!0+163!0-!
      L/-M8A+!870+/M8+N3!17AY-/!01G+!L1/0!87!L/+33!1/08BH+3!17A!-0*+/!L-AB130!
      L/-6-08-7)!!!

    QHI; P<; R(QB=(<@TI;(L>HH<;@ABD(MQ@I;AQC((</li>

       () "-6LH817B+!P-/6!P-/!1HH!1. A8-!3. LLH8+A!C!B-7P8/6872!A+H8M+/+A!
          610+/81H!83!B-6LH8170!N80*!<<"!&A80-/81H!D.8A+H87+3)!!
      4) &L83-A+!080H+3!17A!+L83-A+!A+3B/8L08-73!b8+!3*-N!7-0+3c!N*8B*!P-HI-N!
          0*+!<<"!' - . 7A3!L-AB130!2.8A+H87+3)!!
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#### !@I H(\((

@/-A.B+/3!N8HIF+!-PP+/+A!0\*+!-LL-/0.780?!13G!a.+308-73!-/!A83B.33!0\*+! F/8+P!17A!H+1/7872!-F\$+B08M+3!N80\*!0\*+!B-668338-7872!0+163!L/8-/!0-! 3.F6800872!0\*+8/!P.HI!L/-L-31H)!!

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!\$) 7"(\\*(%' \$", 5%'\_\_!"!. \\$#6(!

#### !@I H(:!!

 $\begin{array}{l} \text{I} -. \text{!} \text{N8H!} \text{F} + \text{!} 87 \text{M80} + \text{A} \text{!} 0 - \text{!} 17 \text{!} 870 + \text{/M8} + \text{NYL80B}^* \text{!} 6 + +0872 \text{!} -7 \text{!} \% + 163 \text{!} -/ \text{!} 87 \text{!} \text{L} +/ 3 -7 \text{!} \\ \text{N80}^* \text{!} 0^* + \text{!} + \text{M1H.} 108 - 7 \text{!} 0 + 16 \text{)!} \text{ W} + \text{!} \text{ N8H!} 7 - 08 \text{P?!} ? -. \text{!} \text{ N}^* 88^* \text{!} 6 + 6 \text{F} +/ 3 \text{!} - \text{P!} 0^* + \text{!} \\ \text{+M1H.} 108 - 7 \text{!} 0 + 16 \text{!} \text{N8H!} \text{F} + \text{!} 100 + 7 \text{A} 872 \text{!} 0^* 83 \text{!} 6 + +0872 \text{!} 17 \text{A} \text{!} ? -. \text{!} 3^* -. \text{HA!} + \text{RL} + \text{B0!} 0 - \text{!} \\ \text{F} + \text{!} 13 \text{G} + \text{A} \text{!} 0 - \text{!} \text{A} 83 \text{B}. 33 \text{!} 17 \text{A} \text{!} + \text{H1F} -/ 10 + \text{!} -7 \text{!} ? -. / \text{!} \text{L} / - \text{L} -31 \text{H!} 17 \text{A} \text{!} 173 \text{N} +/ \text{!} a. +308 -73 \text{!} \\ \text{1F} -. 0 \text{!} 80 \text{)} \text{!} \text{U0!} 83 \text{!} 1 \text{H3} - \text{!} \text{L} -338 \text{FH} + \text{!} \text{N} + \text{!} 61 \text{?} \text{!} 13 \text{G!} ? -. \text{!} 0 - \text{!} 3^* 1/ + \text{!} 1 \text{A} \text{A} 808 -71 \text{H!} / + \text{H} + \text{M170!} \\ \text{6} 10 + / 81 \text{H!} 0 - \text{!} 0^* 83 \text{!} 6 + +0872 \text{!} \text{!} \end{aligned}$ 

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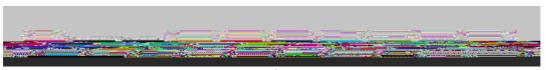
#### !@I H(J!!

, -HI-N872!0\*+!870+/M8+NYL80B\*K!0\*+!+M1H. 108-7!0+16!N8HI!/+;+M1H. 10+!?-. /!
, .HI!@/-L-31H!1218730!0\*+!133+336+70!B/80+/81K!B-738A+/872!0\*+!/+3L-73+3!
28M+7! A. /872! 0\*+! L80B\*K! 17A! 17?! 1AA808-71H! 610+/81H! /+a. +30+A)! %\*+!
+M1H. 108-7!0+16!61?!0\*+7!A+B8A+!0-!1N1/A!0\*+!B-70/1B0!0-!0\*+!L/-A. B+/b3c!
N\*8B\*!F+30!6++03!0\*+!133+336+70!B/80+/81)!

\$-0+X!!50!17?!3012+!-P!0\*+!L/-B+33K!N+!61?!7++A!0-!B-6+!F1BG!0-!?-.!0-! 3++G! BH1/8P8B108-7)! I -. /! 173N+/3! N8H! F+! P1B0-/+A! 870-! 0\*+! +M1H. 108-7! L/-B+33!13!1LL/-L/810+)!

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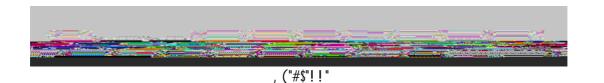
!"#\$\%' (#\*(\$6"(#&33\!!\%' \% 7(\$\%3\"\$)1-"(



### !"#\$%'(+\*(,"8",""#"(%8&,3)\$%'(!(

@/-L-31H3! 6.30! F+! 3. F6800+A! 87! 1BB-/A17B+! N80\*! 17?! 8730/. B08-73! 17A! 87P-/6108-7! B-70187+A! N80\*87! 0\*83! B-668338-7872! F/8+P! 17A! -7! 0\*+! "-668338-7872! N+F380+! bM81! H87G3! F+H-Nc)!!@/-L-31H3! 7-0! B-6LH?872! 61?! F+! /+S+B0+A!F?!0\*+!"-668338-7+/!N\*-3+!A+B838-7!87!0\*83!6100+/!N8H!F+!P871H)!

%\*+!<<"!/+3+/M+3!0\*+!/82\*0!10!17?!086+!L/8-/!0-!0\*+!1N1/A!-P!1!B-668338-7K!17A! N80\*-.0!87B.//872!17?!%\*+!B-668338-7K!17A! L/-L-31%\*+!B-668338-7K!17A! L/-L-31%\*+!B-668338-7K!17A! L/-L-31%\*+!B-668338-7K!17A! L/-L-31%\*+!B-668338-7K!17A! L/-B+33!/+%\*+B0872!1M!, %\*+B0872!1M!, %\*+B0872!1M!, %\*+B0872!1M!



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!
7>A=QB?I(
%*+!
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