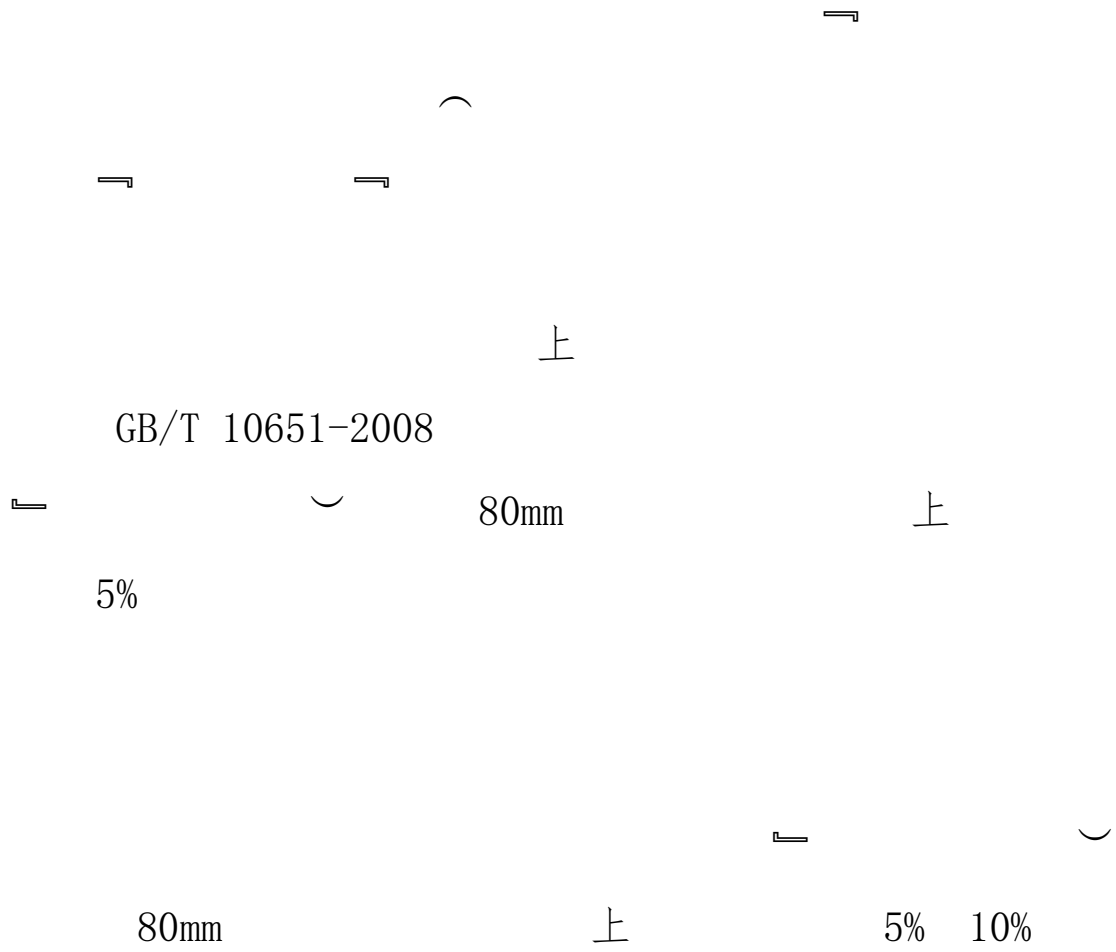




# 《~~容割~~细则》修订案

2018 10 16



15%

10%      400 /

80mm      上      5%

%

%      1500 /

80mm      上      5% 10%

15%

10%      2000 /

10    1      2    20    合

7kgf/cm<sup>2</sup>;

6.5kgf/cm<sup>2</sup>

10    1      2    20    合

6.5kgf/cm<sup>2</sup>;

6kgf/cm<sup>2</sup>

( )

为

价 价 价  
价 价 双 2 30



价

原

先

书

书

合 5  
书

上

书

付

为

一

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一

日所相化六制知

□20 7 8 31 1619Ai  
[2017]231 3iG682)9+bG  
8 20 161Ai  
3iG68.

9 8  
1901 8  
1901 84C

2017 10 7  
[2017] 256 7

C:2C/G+]

8i1

7F670, -(

0+5(,

] 7F6] 0, -(]

0+5(,

7F670, -(7

0+5(,

8i7C7A6C(8

8iC(f, 0/(

A78i+C7, +A1

48Ci+,

CAA57F65=

F9A,F:Q

0, Ci+

4/G+,

T20k

8]

+bG:220k20k, 3

PTA:”

.

4

T:28i

)



9) 8i

g, CN+6=C

F5+g

=7-F65f10C+F/, g=

1GM=, -(1=7+bG

++4:UFFCtC, g=+bG]

=+80CxL2, G)

:210F/

9) 10 C+/F0 /

F8, g68-, -(1

8F810ZCC8fg=0C

9s) 8fg, 8-f, 1

G), C) 4849G) 51A1

10%

, F45AF ,

C9 1, N) F454!

0CxL2G), 19]F<

19] 79, 7G=7-%C

C

, F4+C), F41G64

8419G) 51A1

20%, F4F45

4!



FT10 TF2+-7--(

4I

1 8 ] Å -- 7

T GB

1351-2008, 91:TD=2]+820

2.0%M9

20 2.0%

/CG2Cdđ

đ60 12.5%,CG 12.5đ60 13.5%

, 12.5%đ6C 0.5%G 1.0=C 0.5%, =

G7đ60 12.5%, CG 12.5đ6

0 13.5%, đ6C 0.5%G 1.0=C 0.5%, =G

8iCđ60 12.5%, CGC 12.5đ60 13.5%, đ

6C 0.5%G 1.0=C 0.5%, =G

1.0%€0 1.5%, 1.0%€C 0.5%

€ ĤC 0.5%, =GG

8i C946

9 8.0%=20 12.0%, 8.0%=2!

C 1.0%GG 1.08iC946

TfFG+2

~ C1T10 TF2+-7

--(4I

1 8 ] Å -- 7

T GB

1351-2008, 91: TG1

770g/L=2]M92

0 300s0L:m10

550sC

770cL1

8 6

M11 30%M0

135min1 90cm<sup>2</sup>

/CG2Cdđ

0C770cL1

6 6M11

28%M

0 135min1 75cm<sup>2</sup>G1 750g/L=%C :

14žCdđ

260 s /0cL1

12 6M11

30%

M0 135min 100cm<sup>2</sup>,đ

80 s 0cL1

16 6

M1 1 M0

135min 1FP <sup>2</sup>, đ

120 s /

Tđ60

12. 5%, CG

12. 5đ6

0 13. 5%, 12. 5%đ6C

0. 5%G

1. 0=C

0. 5%

, =Gđ60

12. 5%, CG

12. 5đ60

13. 5%, đ6C

0. 5%G

1. 0=C

0. 5%, =G

9Cdđ, /

1. 0%£0

1. 5%,

1. 0%

£C

0. 5%GG

1. 0=C

0. 5%

, =G=G

Cdđ, /

8. 0%=20

12. 0%,

8. 0%=2C

1. 0%G

G

1. 0

TfFG+2G+T5

2-(58,

8849G60C,

8

0 185 5f 55 227f 10 /5

) 8 C84

0F2+-7

18 GB1103.1-201281 1 G6U4

5 3128B DU U3" S3

CG P2 , -8

/Cd18 GB1103.1-201281 1 G6U

45, N84 11 21 41 12 22 44

27mm 29mm :U U1 U2 U4 kPL1

4 A 4 C 4 C2" S1 S2 S4 CG P1

P3 , 8//Cd1+C

f

0Z89N84CG64A

kN84, 8d 100 s /

kN84, 80, N847N84

Cd164A9GP, 5LC1051

N U45, - N+1 8 8 1 Ccd

đ 4 s /8 N+2 3 8, 00Z!

855(18-985

10

, 3F2+-74I

18 ] Å -- 7

, -23

GB/T317 201810 , 3-7, 04, 3

/Cdđ

018, 3-7, 044811

170IU

, F, 3[F36<, , 3

81

1

170IU7718, 3-7, 4

, 3f3!

10 8 1 8!

9 8 30,

9 8Bf35,

11 884/Cdđ7

50

s /

N f3+, , 37-

N f35

, 11 8-D

9 884C5

9 884

8Cdđ

20 s /

9 8Cdđ 20 s /

11 8Cdđ 40 s

/CdđLCđ051

~ , 3518, 3-7,

F, 3, 771L[9=0 [G+

=0 +

1F=ř

350M955552

尊

5

2) 9+bG50

PTACG7F2+

+2) 9+bG

(GB/T32685-2016

18

GB/T32685-2016 CG7, 1

PTA

N4CA,

PTA ++,

++C

C9sB3+

). d5%55UG1, =

10

: 2F2+-74I

18CG77, : 2[G

8%16A

<1

38.0%160

9.0%0

3.0%T20

2.0%+M9

20

2.0%8-D!277+77P

19]A--7

?2-

GB/T 11762-2006

/Cd1

38. 0%! 1 Z, 6Cd  
 70 s /C 1 Z, 6, d=C 1 Z, 6, 9  
 1 Z, 6A 42. 0%, 9 42. 0% d[G 35. 0%  
 , =A  
 3. 0% 0. 5 Z, 6Cd  
 30 s /C 0. 5 Z, 6, Cd 2. 0%, 9 2. 0%  
 dG+7, 3. 0%, =AG+  
 , 4. 0%, =A  
 9G+, d6 9. 0% 0. 5 Z  
 , 6Cd 30 s /C 0. 5 Z, 6, Cd d6 12. 0%  
 , =G+7, d6 9. 0%, =A  
 : 2G+5F455F4,  
 1100-1250mm 650-750mm 5M55M5+2C  
 G=A 60 5F4. d=%51 (F)  
 (M9<0g<0! : 25r  
 150  
 10  
 : " F2+-74I  
 1 8 ] A -- 7 : 2 "  
 GB1536-2004 4CG77, : "  
 /Cd

GB1536-2004, 9404CG77, :"

Cdđ

BP 280N-] 0.50810

1. 07718CGř:7Cd

đ 30 s /B:Ñ:27/

8! 6 8 1 [BC8 12 8 1 ‡

[B, :Ġ1=C 2. 3mg/gĤ1=C

3. 5mmol/kg8-T 35 4=C 6. 0

8! 12 8 1 [BC8! 6 8 1 ‡[B

, : "G 1 = C 2. 5mg/g Ĥ 1 = C

4. 0mmol/kg8-T 35 4=C 6. 5

:Ĥ1=C 5. 5mmol/kg

10

:27F2+-74I

18]Ā--7 +:22

GB/T 23736-200910 :2-74CG77Ĥ

Ĥ<, €= 35. 0%, :22726CG77=

ř

/Cdđ

0ĤĤ<, €= 35. 0% 34. 5%02<, €

35. 0%Cdđ 35 s / 34. 0%02<, € 34. 5%Cdđ 70 s /

7718EAF7C26W

ü

95 :2F:2=A

:25185 (5F45F

4ř. d=%) 5 (, +fC"

M9UG, . 8đ=1ř

%55-592=

-:25F4:N9+181AC (+

1=0 63++eB=0 Gs7A

5F4:5Mf9CG77

C+C=

6 Z8, 71

<0g<0! :25ř50

20

20kF2+-7-- (4I

18]Ā--7

0kBg

GB1350

2009, 91:14CG77, 20kBg

/Cdđ

020kđ60

13. 5%, CG

13. 5%<đ6

0 14. 5%,

13. 5%đ6C

0. 1%

G 0. 2%20k

đ6

<13. 5%, CG

13. 5%đ6

0

,

13. 5%



DT 0.1%G 0.2%F2+”

G1k

1.0% ~~DT~~ 1.5%, GG 0.5% 1.5%

DT 2.0%, GG 1%

726G1T2277

0726G10 19mg/100gDT22 0

, CdM726G1 OP DT22

0.7%

19mg/100g726G1 OP

DT22 0 ,/CdM+C

726G1 OP DT22 0

GB

38 31, 2016=C

15.0%

L, 20k<sup>d6</sup>=C

14.5%20k<sup>d6</sup>

0 13.5%, CG<sup>d6</sup>

13.5%,

13.5%<sup>d6</sup>C

0.1%G

0.2%<sup>hF2</sup>G

1k

1.0%<sup>EO</sup>

1.5%, GG

0.5%

1.5%

EO

2.0%, GG

1.0%

9

30%, 2)0

40%D 2

2.8, Cd<sup>d</sup>

150

s /

726G1T2277

! 10 8 1 C8!

3 8 31, 201726G1=

19mg/100g<sup>T22</sup>=

0.3%L,

201726G1=

22mg/100g<sup>T22</sup>=

0.5%

! 10 8 1 C8!

3 8 31, 201726G1=

22mg/100g<sup>T22</sup>=

0.5%L,

201726G1=

25mg/100g<sup>T22</sup>=

0.7%

726G1T22779)L

, 2)

2"

, P9]A

--7

C0kBg

GB/T 17891-1999

726G1,

P90kBgCTI

GB/T 20569-2006

—

—

20

20kF2+-7--(4

I

18 ] Å -- 7

0 kB g

GB1350-200910 0kBg-7

, 120kBg

D, 2

)0 30%

/Cd~~20~~4CG77218

,FCd~~2~~/

†

60 s /91Cd~~1~~

80 s /

2

10 8 1 [B<C8! 3 8 31 ,2  
0k 726G1= 16mg/100gT22= 0.1%  
L, 20k726G1= 19mg/100gT2  
2= 0.3%

! 10 8 1 C8! 3 8 31 ,20k726G1=  
19mg/100gT22= 0.3%, 2  
0k726G1= 22mg/100gT22= 0.5%  
726G1T22779)L

, 2), P9Å--7  
C0kBg GB/T17891 1999 ], 726G1, P9  
0kBgCTI GB/T20569 2006],

10  
+bGF2+-74I  
18]Å--7 ++bG GB

338-2004, 1+bG]G, CG677=  
ř

20  
)F2+-74I

~~GB~~ 68470

)

GB

11614-200910 -7,

5mm 8F)=

2m 2.44m01

/Cdđ18-7,

4mm 8F)=

2m 2.44m01Cdđ

20000

8i8fC8iGG.93f

500 [G

G.93CLGGF51CC93

,)CG6851 CC93

,M0893,A1Ch

C).CC93,G

6=08, LF

.CC93=,A18i51GG

=

GG -500-GG

-500-GG

2

P77F2+---(7

fG

5500 s /s(.

0 0.6% 0 (U6

0

(60

30% đ0

20%,

/CdđfG1

4800 s /s(

.0 1% 0 (U6

0

(6

0

,

5000 s / 58=  
 +T =51 -90 4800 s /s0f  
 G 5300 s /sCh518=+  
 T =51 -90 /5000GfG  
 1 5300 s /sCh518=+T  
 =51 /5500GfG 6000 s /  
 s, 9 6000 s /sA1Ch  
 0.6%(. 0 0.6% 0.8=  
 +0Z, 6Cdđ 4 s /  
 đ 20%, đ 20% 20%9  
 CG68=+0GG  
 đ 21.32%G 1.3%  
 5 (G 1  
 . F2+-74I  
 18 ] Å -- 7 . GB/T  
 2272-2009( FeSi75-B. [G 1 /[G 0  
 . [G 0 . [G 0 2 10-60mm , .]  
 [G= đ (= 5%1: (= 8%

18 SF1901 840A-

. 5 (G+~~f~~)L7,

5F45:7=0 (7+

1=0 5G f

. 9G515(9 2.5 / 7LG

G5(15[. 841]

5 G <sup>2</sup>

. F2+-74I

18]A--7 .8 GB/T

4008 2008 FeMn68Si18G 1 . [G 1

. [G 0 / [G 0 . [G 0 2 10-60mm ,

.]21(= 5%1:(= 8%

. 5 (G+~~f~~)L7,

5F45:7=0 (7+

1=0 5G f

. 9G515(9 2 / 7LGG

5(15[. 841]

20 GG<0 ,

%C<0+<0+~~f~~

4 F2+ -7 4I

<sup>28</sup> SM1901 840A

18.5tex(32 9! )8  
 14)]4 4 18.5tex45[G 100% 4  
 1F1[ 423+ 0 02  
 3+ 0 -50%<sub>s</sub>24 8 0 Z /103m +50%<sub>s</sub>22 8 0 Z  
 /103m +200%<sub>s</sub>25 0 Z /103m724+ 0 Z /105m  
 2GG f , 2GG2 3+ 0 L3+ 300-420  
 245[G0 80 4 /20kg  
 /Cdđ4245[G18  
 ,FCdđ/  
 80 4 /20kg245[G 0 4 /20kg ,Cdđ5  
 1, 2% 100 4 /20kg245[G 0 4 /20kg ,Cdđ  
 51, 3245[G 120 4 /20kg! 10 4 /20kg  
 Cdđ51, 1%=C 10 4 /20kg , 9 10  
 4 /20kg A245[G= 200 4 /20kg  
 4CG77]45[G, P9  
 ] Å - 4 4 7 4 4 4 5 [BP  
 FZ/T01057-2007 245[G, P9  
 4C245P93177P9  
 ]Å--7 844 GB/T398-2008  
 4C245P93:F 7] 4  
 423+4724+ -50%<sub>s</sub>24 8 +50%



82 Å +200% s25) PP, 1C

—

$\ddot{A}$  1890E1487D 1 80mm  
 , 49) ] A 0 5% 10% CGA 0 15% <T

/T . TT=81" 0 10% Cdđ 400 s /

18 9) -7 01:14CG77D PP0

80mm , 49) ] A 0 5% CGA 0 % <

T /T. TT=81" 0 % Cdđ 1500 s /

9 18 9) -7 01:14CG77D PP0

80mm , 49) ] A 0 5% 10% CGA 0 15%

<T /T. TT=81" 0 10% Cdđ 2000  
 s /

77

0 ! 10 8 18 ! 2 8 20 [B, 9)  
 . = 7kgf/cm<sup>2</sup> L , 9) . =

6.5kgf/cm<sup>2</sup>

! 10 8 18 ! 2 8 20 [B, 9)  
 . = 6.5kgf/cm<sup>2</sup> L , 9) . =

6kgf/cm<sup>2</sup>

(8i)C 946



, 9

A1C(GG

~~Q~~ =9) kG - , kGG /

C(

<0g<0! f50

4/

TC84, BC84, 7

AF7, 8i8iC, [0

l=[5

T0, 34C84, BC84,

C, [01

PTA+bGC84, BC84,

, Ć, [01

:2Ĉ84, BC84,

AFĈ, [0[5

:” C84, BC84,

, 8i8iC, [01

:2. C84, BC84,

Ĉ, [01[5

20k20k20kC84, BC84,

, 2C=[5([01

) C84, BC84,

(5, Ĉ, [01

~~4C84~~

~~4C84~~

4C84, BC84,

€, [01[5

9) C84, BC84,

AF

“

C, [01

=[

5(

7ACdđ+C.

F+7, GG. , A7+C!

0!

F2+ F+7

/ , /Cdđ

CdđG

G. đOB

-(, 10C+ /+7

A700

FCCS—F

910F2+0) f10/0

F0F

TF2+MF+7, /C840

C, G) I

⊗F810ZCC80C, 0C

19884D197F8iC (FM7

4á

3

2 30 6F

=3+59G+cB

1. 7+cB-(, 7

2. 8i+cB-( , C

(T:28i5/14G+

AC(n18i5

G(fG

(G.(U666

/IN/B

, 19) 8i 5 / 14 CG

A G A 1

3. M74+cB-(,

C(5444 2

3+ 023+ -50%<sub>s24</sub> 8 +50%<sub>s22</sub> 8 +200%

s25724+, 2GG, 2GG23+L

3+245 [GGG 20 , =+6

3+CL+li518693

8Cd1

=3+5, +cB

,. A=OZ

2 30 60+cB "

90, +A13+5T 9)/ L F

9L 2 C 9. A5 FG)

9) / L2)Z , +cB

CFA13+5 x 20, 1X

. G), 1 +A19x 8i , I

G) G)

TF2+MF+7, /C840

C, G) I

0x=FC) <0<0C5F. 1

g19, B819gZ=8+cBIL

2- ()G61+A18951

A1Z840 84

x 1 30 6 +cB

8iC (k3+, Zk

3, Cx 1 30 63- (/99x7

AF9AF97, kG=CB

84, 1G Z8i+cBZ8i

C(, C97)

9x 1 30 6 2 30 6i,

8i C 8kf9. A

29

29

F

L2C9. A5FG)  
, 1+A19x8i9G0AG)  
IG)G)

ZG)

M74=+0C, G)

TF2+MF+7, /C84F,

/C84G) I

8F810ZCC80C, 0C

198847, ZCx

2

30 6, CLF=3+5+cB

= 3+5, +cBZ

, +cBx

2 30 60

+cB90, +A13+5T,

. A=0+cBL2C

-( ), 1G A+cBG197G

0FG) G)

9 < 0 < 0C5F. 1g19, B81

9gZ=8+cBI0CL2- ( )

G61+A18951A1Z

84084

+A19G0AG)

IG)G)

G) 7, - (, 7

5- (, CAGr8iFM7

4, CA=Gn

3+04. =8B3F65

G), 0CF. F

C=3+5. AF.ZfF.

F65)F. 92A, F. x

5

MF. CL92A,)F.

, A

7510

OF. , 0C: x

9

6PC~~h~~BCC~~g~~9F, 7

C51GL6515

F., LFC=3+5f515

<g=0 0, AA1N5

CfNC~~h~~6NC~~h~~,

80%B5<6, ~~h~~

. Af, 10C

+ /55 /,

PFB~~h~~, 5194I6

8i510



090

9

6

100

C<sub>h</sub>=[8ABCCg

8F. L)8iC (,

f684I

8i019

9G) 80CC9. AF5

1

1. C51,GC (f0!

C (GCG10

/BC<sub>h</sub>1

F. 992CB

9ZC9xAFnZ9xA,3+569

,8. AC9. A5FCtBGn

, Ct10/4I

10C+

F/,

019

2. =C51,CF0FCA

C<sub>h</sub>4!

M74510

0F. 0ZC:x

9 6

100%C <sub>h</sub>=[8ABCCg

8F. C[B9ZC

4F. 51CCL11

A4A4, CL=C0



Å

00V

974

‘ 9£

Å-

51C84G)

10 Z CG

)C51, 1

08iC(n

7

0FG

30 C7-N+F

AGAAG49-ACtC, -

-GL81D, 9xAG00 G=

60

9F7-CF=

300 /94

, LF

70CCGP, FPA7FPA71

8-7PDF8-

C(n=7:

,N

++,-(

CS+

8F. [BC9ZC

8F 5IC

CL11A8iA0F19Z

Cx 1 30 F=3+58i

CN. A

8iCN. AN18

4E48ZÄ

3 F. AFnZFZ. A, <

F49 F446 , -(46

9) A L9)F /

9sF9C(FÄ,

9AG4, FZA,

8iCN. A]F9AF9

, €(

F9s)C (CGFP

P-(, 9Ci7CF0+Gg

, Cn/=187,9F446

08, LEcn/187F=P,

C

F, / A,

-(. A8iCN. A9ZA

7F65=63+1A]A36F4 M

PCPÊ



1

1 ZA7(+c

B

F, /8]AC[

B0fC (N94, LCFC (

FA7F(

24 C (CGPCGpf. A

24

F, L8D=7-F, =

BC (, CGCS+G, 69)

=

20 /T:2-

=

300 /94, LF

C6

PFC (

A, ]Ci-0]+d

, L, Ci+

A7F65= ]

CGFP=C (dL, CGFCS

+

8iP8i0]F

+F9C7C90+Gg

FGg08, LFCGfg5g

6--C91. A1

F, /C(F

PC

(CGG8T

:2- 9--(7

00F65A0

0113

)P52A,BP5C (CGT,

)P592A,=08,

] +08fC5=[BC

5 Z

ACM=+cBN=Ci+FnZ=+cB

,<C5

=+cBL0=N-Lf

G(. (

U6 (6A1f

GdG+M5

=+C7)

+, gF=8fC=F.= [B

C 3 Z=56=5MF.

CCF. 2A=5A,=Ci++

I

9)+CGA

=08,

C(Z/07

8i

AC

=+c

BBM0=, CG77

AN-(Ci+

PCi

Ci1

C

7CFP

=

8fC

=F.= [BC

5 Z=5=

5A,=Ci++I

]

=5

.,

CG A

, 14

5 1

8i

7/ ,1

4

8i

7/ ,14

+! +,

=

-( Ci+

+A

=5

.

, CG A

, 148i

- Ÿ 7j 14E Ô 7403E Eÿ  
4E é Ñ È ⊗ 07 M4 ð Ä

9)F, / +CGAF. C

=g<F1 C7CF65A,

PF= =5C (CGT,F1=Ci+

+<

T:2E(,

)4P, C(GCd1 1A, F1

F1C10]M00FNB1N

, F. 24 CFG8) ZF,

C (C91CS+1=FPC (%M9, 9s

ÿZFC (GgP=5

T:2- 9) ZFC (CG=7

, C(C(, 46

=08, ZFC (9F446, -(

404C (CGP5C (G, s1

Pf15CGPf. ACGPf.

AC (CGTCd46,

GGP+C7CFAG

F08, LF+8i8fCGGAGFđ

. AAG+7CLF9. F

~~NAME~~

~~880~~

~~NAME~~

~~FA~~

F, /C (FPf-  
 -FCA7. CT :2- GG  
 PG+C. 0 GFA, AGP~~9~~) G  
 GPG+C1 1 FA, AGPG  
 9s) AG, . F. ~~A~~ AG92A  
 C (MF. CC44-AG  
 --GL) AG- (Ci+5CiFCi  
 Ci1+I  
 F, /C (F~~1~~.  
 A, . . ~~13A6~~Pf. A  
 GPf. AC (G, T  
 ,M05 (5 (+86F65  
 5 (5Ci++  
 FZ94F,  
 LC (7FZ6C (9  
 4F, L7794F, LA7  
 8i+cB[184F, Gg AG  
 IFPB, x=, 4  
 AC+cB- (AC) I



59411

> ä / B

f6<ZfG ]

LF, / Z94, FIF

FC (FPB, x=, 4

AC+cB- (AC4)

I5%454%4N = [5s /B

f6<ZfG ]

+=, 8FF, N

4C, 9LP5A1ChA

15+ T

fG1 5300 s /sCh51 =51

/5500G 6000 s /s 6000 s /sA

1

fG 5000 s /sCh51 =51

-90

4800 s /s0G 5300 s /Ch51

=51 -90 /5000G

fG 4800 s /sCh51 = 51

-90 G

fGP5G)) 8 3, f

GD1C 300 s /s=[, :F ChA1

..: 5 s /fGP5G)

B 8² 05

300 s /s

A1Ch51fGG))

8 3f

G +300A1

( . ( U6 (6 77C93

, A1 Ch51 9fG( (

U6 (6 ,NF-(A1

7793	A1
1% (. 0 1.5%	G (. 1% , A11 80%
1.5% (. 0 2%	G (. 1% , A11 50%
(. 2%	G (. 1% , A11 20%
(U6F( 6C93	G(. ,A11 80%

0C,"Ci

=3+5], . A5FBCDC

9

,946

04FFCZ9f,

f=50490

Bh

0Z94FF9f,0

+cB41F=3+7f+cB

-(AITZ. AFn9. A9

2A~~ADFCW~~

FF~~AD~~

9K4C5Ä

~ C+A), 010C+

(F )/10C+ (F )/+g-63+

6/fCCSB346-(44

:2010F/

9) 0 10 C+/F0 /

G), 0Z90,

6010/M0, F. 7,

8[~~E~~ 7 ZQ0C+

F/F 1 8 10 , C

hN 0.5, %4C 10 Z10C+

F/, 510C+F/

9ChN, F4TT:2÷"

:2820k20k20k 9) , F4" 11%, -

3 PTA+bG) .. 4 , F4"

17%%4F65F4ChN]L5

Chx%4F65F49sA

gF-

~~8AMZ10~~

7 ZCF658<4, LA1

0C+F

/, 63:46

f, 10C+F/TZ

[B) 10C+F/F. A

Ct9B/CS+8C

CtF, /LN

8=[BCC

7 ZCZ9

Ct, CB

20%Ch8+FP, +

8C

Ci-0fo1F)F4"

-(B3

C )C10 )719<0

8-84, 0L) CAG) CG

, C

)A, <AC+cB9

6[64819, 1+C

)C, C219dG)C,

C2190dG9, )CAF

C847, (/2-(<G-(,)C

)0

031823405

03

03

03

FC=3+53) A

19<08-84, AC, x

2 30 6AC)+cB

9C), 19, C1+

C, xL29, 1

, 1841Lf, 93

+7F)+CFCdB

1.)+cB9

20%:, CdB=C, =

F656

2.)+cB , 0C, )

67gCh, B4I9

3. 10C+F/+gAg9

, C1094I9

4. , -(167g5

Z7-7F65Z7-Ch,+C9

, C1F4F4G6

20%, F45

4

M7, )ChB+.

1. - () CA

2. C ( fC hB+8.++ , 4

48C=CS+

CF23), 9

48C7) ]A)

8

, 5Ci

C) F65g) ]4< ,

9GCF46, 945

T0, 320k20k20kF

7C, 07Ci++g7C:

8i8i, Ci++g

T PTA: ?2- :2+bG. .

4 9) F7C, 07Ci+C(“

:8T58iCi++g

C(“58iT58i, 0

7Ci+T=[5+g

8iT:2- 9) 87A

F, 88i, 07Ci+=[

5+g, 07Ci++g

8CFF1C,iD/A, FF48

, Fci

~~4X~~

~~5X~~

~~6X~~

P~~7X~~

888i

, 07Ci++g 07Ci++g

+F8iC, 88i

, 07Ci++, 07Ci++g+

C, 8. B, 07Ci++Ci

++C

∪ Ci+f7+4F

+c4C 97,"

+:7

∪ ∪ 4/Ci+A]Ci+

5CiCiPCi17+C

T:2+?220k20k20k

9) PCi+/, PCi+

Ck

87C8C0CF. 0!

CFfC810ZC9

8A1B:Z8+, CiCfF, Ci+F

-ACkf

TT 20k 20k20k 9) 5  
 ( 8,3 PTA :2÷2 ..4 5(=  
 A  
 )g9M0,)B5(5(  
 fCi7L0  
 i-o12FCM0B3  
 9Ci+7  
 9G0, F4  
 0Z7-7FZ7-  
 (  
 LZ7-Ch,  
 98i, C(CG=18CG ,  
 CA, F4  
 F4, +F4F4G684  
 951A1 20%, F454!  
 A1F484GC) F4  
 G6N841 20%, F4  
 A1F484G,  
 0F484G =[7GP  
 -7GP ]€



~~4040~~ =Ch -Ch  
r 1-20%51 +5(C  
)6[4F4G6841 5%, 5h  
F65Ch+F446  
CS+5  
F46946  
L-C4I9(!  
4I8 2018 10 8 22 C

3



# 《管理五法》修订案

2018 10 16

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~~57A.~~

0 ~~710 71~~

]7]9

C, 0

+c B4C+ACk9 (F65C,

CRA

]), C (]F8]Pf81

7

CFA13+567],

AA01

Fg+7]A119

,NAC67]Cs, A5Z4

C6Cs, A, =4Fg119

Fg0FCs, ACsFF, 67

]C4

CB, Cs, AC

sF0=CC7]G, Odd (

Bd (7-F (C-1MOCN

, LF

COF7]Cs, ACsFF,

)FgZFCCg]FA

F0)C0dd(145Q0C

+/, 9GCC4I-(46

7], +5NP

fCGP+cBC61) 8

7, +5+cBC61)

8

4C, 7

]

F2+C-(,

7iFC=<6F+7MF

+7T/

FA719CGGCS-7

FA, €(, sNL-(0+

F+777199C,

0/, +0FF9C, CR

A

F2+F+7, /5T

PTA: 220k

20k

F+7,-5

=0 gC5F

. 1/7G5GG1

MF+777199C,

07-/, F) C(, CR

A

F2+MF+7, /820k

+bG), 3.. 4

9)



MĚKČÁ

5F1EÄ

5Ä

gF65MC ( AC+

MF65CA, A

N

NG, Ck, - (A

CK9F8-1, N

8NC

2 Z

MF65CA, =7-f,

G8<, =C

2 Z

A5d4 30 s /, FN

, 0F.

)ň , +cBC,N

NN

F. 80C+x

F. 9x6[

OFT10 TC1T

10 T:2÷?220k20k20k+bG

..4

40

40 ] 15  
 9, 3! 11 8 1 8! 4 8 30L  
 9-11CA, , 3k 15  
 L 40  
 2) 9+bG50 PTA 9) 15  
 CB3F. , 9x  
 F. 9x- () G, G  
 , 8C 2 ZNFF  
 G6, 9LCGFFZG6N=F  
 F  
 C, 8 [B  
 xL2CB+, NxNC=  
 6- (, +cB  
 Ck9C9A44NCi+  
 6N , CkN6E  
 GCL1F.  
 , GG5- (A1, P  
 f (G ) g+F7P9,Ck  
 --Pf5N4CkAck) Pf5  
 11. A<), -CCSZ4C  
 k11. A, =+C



M091430

PA

Pg

1A

C, P5ATCGP, 045

=

Tg, PL+C

8!

9 8 1 CC0

0, P+cB

89F. PA

. 1f8

8GGCGPAPf98

-7CAP

818A--7

85

GB6975-2007, 5

227f 10 DNLt

9PA. 1

00])9G

0,5CF. F65

Ck

0r

=18

GB1103. 1-2012 4I,

9891E6592

64

Z4P57=18-7,

5) 5%,

M8+,

35%) 10%, G+55, 0

8]5%)C 9%F659 A1, %)C 8.5%,

4P)N849 51 32 13 23 33 14 24

9 27 2U9 U5 PL19 C 4 C1

Ø S5, 8

=18,

]19CCS]7, C(

FF0]C(!CS+

]), C(]F87

)G0,=6C

F. F65g

05UGd(=)M99 2F65

5=1,

5) 5%,

98CG77=180,

8f26<, 88N8477FC0

80%,

RA

E

10 F65DFC

25 )=, L

F

), 351&CC4I

, 3, 9A

0, 3+8AA

+:U

=1

F, AB, 3]-CC

8CC, ]A-FC(=

B, ]A-P+)B

, +A+F65B,

CGAA15F, -23A8

-9xA

GGPfG+. <5F65

)5

CGØZ0Zg0T-

1gF1CCk4-CG

--GLA

A, 19gG8--g+t, Ci+=5

G8gCi+Ck

8f,3gC

5 ZC

P5F.

PTA

+C

90, +,

PTA 8FF

CC

60, F

PTA=f

+,

PTA +cB,A

PTA +

, 187, CGACGAN

9+F2+, CG7B, CGP5

1

F +,

PTA +cB,A, 8iFA

]A-FC (FOC+

5dhl0C+5dhl+,

CGA1, =-+cB

19), A15F

PTA A8

-9xA

=<++,

PTA 60N

GGPf

PTA 5G

1 F65

1.1

C, -(GGPfG+. <5F)

5, F

PTA CGP9!

550 0Zg=C

550

, 9 550 A09-1g CT-

8P

5 CP5

F.

(++cB,

PTA CG

CkAC7+18Cž

CGCS+B-(,

PTA CG

:2GGPFG. F

CGP+CCS

GFG6CFPCi

++

∩ :2G+o6n=<g

, :2=A

Pg+CP5=1

8CG7, =A

g6-!

1+F90-+

P0-+Ck11g+

C(=CG7, 4

61=

8C(g5C

24

P5F. Ck

:FN18-

+7



: "+1, +

AA (= )+AA=LC<

FP

FP]N=0 5-F65

7145F1

G+P, :GGPf. AG

G+F, 5F655AG+8i8fF

, . F655AG

4C GGPf+CG--GLA,

xFAG

:P

CGPg+C

!g6T-!=

1 +F90--

P0--Ck11g+

:,"CGPZP+CCSF65G

64-CG--GLAA, CFPCi+

+

8g5C

48 P

5F. Ck

)P81, :9x

5PC

5 Z"

:M:6gZ

N

] ;8:M:"

50

50

:5N18-+7

CkA:18-+75

, :≐18-+7,i+, g. CS+

k

∪ 0]7)9G0

, 5CF. F65Ck

0Z, :"

:F=18-

9:≐18C

,

:2GGPfG. F

CGP+CCSP5=18C

G7, =A])=18CG7, G6=

A

C (GGPfg. F

CGP+CCS

GFG6CFPCi++

+P9-97PCi++

Ck

Pg+CP5=1

8CG7, =A

C (=CG7, 4

61=

8C (g5C

24

CGP5

F. Ck

+bGFN18-LFF,

C (ACkLF4:UCtC+C

CSP

+, +bG+cB,A+bG+

, 187, CGACGAN

9+F2+, CG7B, CGP5

1

F+, +bG+cB,A, 8iFA

FC (+, CGA1,



~~G80AA~~

GGPFG+~~F~~, . AG+

CCSPGG+8i8fF, 5AG

CkCF65PG+CPG

G8+t, Ci++Ck

4G**b**GGGPf+-CG--GLA

, xFAG

CGPfbG, Gg+CCCS

+t, Ci+= [G8Ci++Ck

4, +bG**C**k7-C

, B C (18

C7, P4A+cB

)C C5, +bGN. 5C(18C

7, =18, =A5F+cB

8GgC

3 ZC

P5F.

. CkA. +

,CGAGN9++

F2+, CG7B, CGP51

. 5((56+F2

. +C

90, =A

12FPA

GGPFG+. F

CGPf. , GgfgC2

+CCCS99-7

PCi+- (G8PCi++Ck

8GgC

7 ZC

P5F.

∩ . 5g, 9- (-7G

5M05 (+g5Ci++g

∩

. CkA. +

,CGAGAN9++

F2+, CG7B, CGP51

. 5 (56+F2

+C

90 , . =A

GGPFG+. F

CGPf. , GgfgC2

+CCCS99-7

PCi+- (G8PCi++Ck

8GgC

7 ZC

P5

F.

. 5g, 9-(-7G

5M05(+g5Ci++g

+, 4CkA

4+, AAN9+=0 +

=1GF2+, CG7B, CGP5

1

F+, 49~~K~~

B4, ]~~A~~-FC (+F65

B0, CGAA

9 ), A15F4A8-9x

A

GPf+Pf4G

CGP4, GgfgC+C

CCS9-97PCi++Ck

∩ 8GgC

10 ~~X~~

P5F.

40])9G0

,5CF. F65C

k

0<0, ++≠08,

5L%)

9%,

90

3 Z8,

5=18F) UGd=)

M91,

9), G+1F1,

GGPFG+1

CGPfCGP

+CCS

GFG

6CFPPCi++

P5180, +cB

09) 18CG7

9) Z466] 18CG7, 9)

≅C3, Ck

9A1

C(+cE(G

=G

/C

, 1G

N14C3

1

,

9)

F9CG

A

0 10%, 14F

G+=<, C(60n

1, 9)) 0=

)CG, C(F45]CG, C(9

)Cf Ci +Ck851

8 C(g) 5C 24  
 P5F. Ck  
 8F65C, P5C 1 Z  
 F])P5F. AF. Ck) CG  
 18, C(Ck2A, 8F. CkC 2 Z  
 F]AC+cBF]  
 ]), C(]F8Pf81 2 Z  
 AC+cB6]7  
 ! 8 8 1 =+c4, 3  
 C8+cBC 7 Z  
 880CT, 3:1 5 Z  
 Cx 3 C=6, +8,  
 +cBx 3, +cB, 7  
 58-  
 C, CG, +C, OF  
 840C0+cB  
 3 8 7 8 11 81 12 ZC[B  
 , :27C(+N6[ 3 8 1 7 8 1 11 8  
 1 [B018, :2G



MC (F g55C#1Ci+

FC03+5+cB

fG1C (C!

7, C#A1, 63

+cBNCA,

4-) FCA, A

, AN90F8840C51

A1

0F8480C9ZC

x 3+cB A18

,C8+cB

C 3 Z

ZA, 0G+C.

B3

21+Ci2

F#34-) FCA,

A, N

4/7]9x6[

TT!

9 8, 00Z

0

N +, 8, 7]9x8

N+2 3 8, 00Z

3Ö N f3! 10 8 1 8! 9 8 30 +  
 ,, 3 , 79xBf35 11 8-,  
 00Z[B  
 :2- N 6 8 1 C:279x8 N  
 11 8-00Z[B  
 :2! 3 8 7 8 11 81 12 ZC=[B  
 , 78, 1 15 ZC[BG  
 0  
 :” N 6 8 1 C, :79x8 N+1 5 8  
 -00Z[B  
 PTA! 9 81 12 ZC=[B, PTA 7  
 B81 15 ZC[BG0B81 16 Z  
 C[B06, +cB  
 20k N 8 8 1 C, 79x8 N+1 7 8  
 -00Z[B  
 20k20k N 10 8 1 C, 79x8 N+1  
 9 8-00Z[B  
 +bG ! 5 8 11 81 12 ZC=[B,  
 78, 1 15 ZC[BG0  
 )! 1 8 3 8 5 8 7 8 9 8 11 81 12 ZC  
 =[B, 78, 1 15 ZC[  
 BG0

Ö Ö 5 8 11 81 7 ZC=[B  
 , 78, 1 10 ZC[BG0  
 . ! 2 8 6 8 10 81 12 ZC=[B  
 , 78, 1 15 ZC[B  
 G0  
 .! 10 81 12 ZC=[B,  
 8, 1 15 ZC[B0  
 4! 2 8 6 8 10 81 12 ZC=[B  
 , 78, 1 15 ZC[B  
 G0, 47 C(ZD+  
 18 , G+cB  
 9)! 5 8 1 12 ZC=[B, 7  
 5 8, 1 15 ZC [BG0 !  
 5 81 12 ZC[B8 9 8 00ZC [B=  
 69) 7 +cB ! 1 8 5 8 7 8 1 12 ZC  
 = [B , 7 8, 1 15 ZC  
 [BG0 ! 7 81 12 ZC[B8  
 9 8 00ZC [B=69) 7 +cB  
 7Z 605, C  
 60+FP, 07+719  
 C=AGCG187

7], F7, A

45(1A(1, =7-F

g, F6=CF

F5+g

79GCC4I

, 96

∪ 7, A787,

C67A, L!

ZCL, x

2

30 60CC=6TF2+MF+7

, /7A

∪ ∪ A718

0g, 7AN6

AA, AC7

A+cB

9C) 7A+cB6

7gCh51B15

7A, ChB10C+/, OPFB

GCC4I

7A5Ci7+C

∪ 7], 0719-

F65C6C5, 0

~~01A08~~

)40, PTA T(Z18  
, G+cB  
708A 20 Z  
-( )C FC(CGGG  
08, 95CCdđ, +851  
=08, C9, C(C(  
Cdđ, + CC(F5051  
C=08, C7C,  
CGAGG. 9CC4E  
-(46 51190F, 51A  
C. ACNC  
GLOCF.  
C3, 7 F,  
C, -(N946  
F, /7051GL6  
Cdđ51CGLOCF.  
g6C5 Fg5FfCF.P  
A. 1CF. PA. 1C7  
F2+F+7, MOC, Ci  
+cBF, .CF.),

800CF.C

10 Z

..

20 Z

CF. 19

CF.PA. 1CD-ACA

F6C5. ACG. FN

4NCi+

)CF.19/93

L F9-(, 1%C/

93F, 141+851

4CF.19i4F9-(,

141CCd93,%C

CCd93F, +851

CF.19CACCG=+c

B, 8Cf+cBCCF. 19, CL

A1=5F. CF. 19CGA1

F<sub>n</sub>Z<sub>6</sub>-(5,9)CC46=A

G

CG187A9CCF1

CS+C+Ck8

9)CF.), C(1, CF<sub>n</sub>

Z<sub>6</sub>-(F.9s<sub>6</sub>)

8)C(x645CG, C(C

08, LF

⌋

C, GGP+Ck<

⌋

554B3FM0E4E

0E4E4E

0

— — 68- ( ), APA

LC<60-CkCkFF) 8,

51N-Pf54CkA

— — — 8f2, 87N84- (“

)L, 65g=5C

8f2FPN84

Rd 1LZC

3. 9%F65 +b 1

ZC 2. 7 , +g]2C

F G6, N84 A1iC, N84

LCd17

]C18

)G, !

65g=5CG

1. 3, +

gGC

1. 3, +0M, ]1990F

8051) gF=CG6+B]

, ]90F8051

APAC9x, 0MOGP, +

GP- (Ci+

— — 0])85, Ci

5



— —

— — :2G77CG77 0.5  
Z, 6, 81

— G+6GFP. A,C  
=7-C, 9CF. 0[:”  
COF80511. A~~h~~CCk

— — :2d6. G+Ck  
M~~d~~6G, C~~h~~9CF. 0[:2  
COF80511. A~~h~~CC  
k~~d~~6PCi++

:2d6. G, A~~d~~6. GC  
G, L~~d~~677C, L~~d~~677 1C  
, L~~d~~677

:2<185 (A1, GG  
:2CG  
:22<, ECG77 0.5 Z, 6,  
81

— G+6GFP. A,  
C=7-C, 9CF. 0[  
B/COF80511. A~~h~~CCk

20k20k , 2) =  
P514 5 Z, 6[, <81

+bG=18CG7,  
CCS+

G+6GFP. A,  
C=7-C, 9CF. 0[  
+bGC0F80511. A $\Delta$ CCk

. P21 (7  
7 1 Z, 6, 81C 1 Z, 6, CG6  
C=7-C, 9CF .Q  
. COF80511 $\Delta$ CCk

0]). 5=F2!  
F, Ci5 (G5

0]). 5=F2!  
F, Ci5 (G5

CkFF) 4, +  
+G1N-FPFPf54Ck

A

— 8f2, 87CG-(“ )

L, 65C=5C

— — 40mCi

5

— G+6GFP. A,

C=7-C, 9CF. 0 [

9) C0F80511. A $\Delta$ CCK

— G+ 1, 7

F. 97/ , F6

Z6, 66Ci++

851

— G+1, 76

+, 9) +845

Z, 0, 6L68L91L 8TP

149 ~~W~~ ð ~~0780~~

ō Ä

—

, CF7

24

CC, 0CF+C. B3

—

.. CkG

F193F9,

(4GF193C

)(F8

, Ci+5f, ]Ci++

Cdđ, Ck9C, Cd

đ7851C,

f

-(Ci++

.

Ck863+CC

3 Z

ACA5CF Ci+1

C, Ck63+fCk

CF (F

3 Z [FPC

CF5FnZC+, Ci+CGCS++Ck

G+đ, CAC

3 Z

CG+8iF, CAC

15 Z

CG- (PFB5CkC

,



~~92AÄ~~

~~92AÄ~~

CGPf9

)ACkCG81A

..CACk187CGA

fCGPF2+GCC4I

8i-(

20k20kCk<gCk)P

52A,CC(LCG77

7/CG7

7=08C, CG2A93, g

CG2Cdđ+g9C, 7851

ACk187CGA

FC)4245[G++cB=

s,F+gC--C(FF

Fg4. A<1gg0T-0--C

0-6g+8C

30 Z

+CGA, 46

9)

ACk

18 7,

C GA

Ck

PC(

CG

G8

)20k20k..4

9) F,

C--C(FF

~~FCA, 90EV~~

~~FCA, 90EV~~

30 Z

+CGA, 46

NAC, CG18C, 7

08, LF

— — Ck6C5CF0

L08, 9C,

CFC

— ZCk<C9CkN4L

6C5, xN186C

— FCk=7-94, CABC

FC, B3CFFCABD

I%4/4+

F ,

/%4N =5 s /9CABZFZ,

GB, %+

4, OCC 5 Z=7-

9C, Ck4CC

CN =B/COF 80519kG

6<Z, G 120%

+F4x+ACkCZ

FN=C, C+, 4-)

FCA, A5



—

D=3P, 8C

FCCk=M0C

Ck1CAB AC

C44,

—

—

—

CkF65) PTLF

92A,8fP5C

3 ZACM

=+cBN=Ci+

=L=+cB, 92A, N-

ZL=+cB, <P5

—

, 3 PTA+bG.. 4=

CCB3FC

C<+P, TTCG77=

+C7

:2÷:220k20k20k

9) =+C

k. =, +C7

—

+C7=, /=

g+=

G

(G )G8=8Gg

©

3 Z=5G2F

6=5MF. CCF. 2A



(G ) g=8fC=F. C

4

Z4/ 10 Z =5

6=5MF. CCF. 2A

=5A,



+C7=, /=5

P5A08, +

Ck- (Ci+PCigCi

CiFCi1<=5P5A=08, - (

Ci++

=C, /=5P5A08,

+ +=cB- (Ci +=5P5A=08, - (

Ci++C



0=9CAP



8CF.0C

10 Z

19) CG92A, AC+cB0#N=

Ci+

ZL2A,

. ACG



=L+=cB, 92A, N-

+P, N=FCP, N-

+C7, CF=

5/21

—

C=6CLF654,

, CGG==+1, 07CS+

—

8fM2AC

2 ZC

F.=GGgg49<

A1g=5+CF.

=518C,=- (

Ci++=+cB

=5=18, =- (Ci++I

—

=5=18, 4F65

, IF657A+18,

B3C=fB3=B3

, FP1Ci++F657AB3

, 9, 9

—

F657AZ7-+18

, B3F657AgC

46

08, 9

(F657AN)=81,

4CS+N9B/C0

F8051,

3%A146Dg

C=5

~~D6F65D57A~~

~~A657A00F~~

~~001C~~ 120%A1C (F7A

9

— 0=98-7C

AP

— C=64 245 [G77

, =

— CkF) GGCG92A,

x=, AC+cB0±N

=- (Ci+

GG2AC (FC

CG2A) 20k20k4245 [GLF

9) C () 4245 [G92A,C

(N+g++cB=, sC (

C 30 ZfCC

5 Z

/C (F

CC

5 Z

ZL2A, . A, GGFCG

4N+, g+5CkF+CkFCi+

F0]+, gT+Ck08, LF

—

=N-F2+GCC

68

=B/C0F8051

=18, G

120%), C(9

~ ~ C9s)+C, F

)C= 81, =

)4, CGG])CG=81F

65G9N, CSF19GLCG

81h+, 07Ci++F651

9)F, C9)F65F45

~ 7AACL

gFCGBL+44,

x08, 44+C

5

ZMAC+cBB3B3=,AÄ

LCAF654A" +cB"

~ ), CGG

+A,C9)CS+F. A04CS++CS

+

~ F7A=7-Ag

C18847, FPgC

, CCS+F=7-C)

, GGCG- (CCS+

—

C4CM. AGC

GCS+4+cBCF0F) FCA, A

—

GsGC

—

8

2018

10 8

22 C

5

É 15

Ê Ê A0

2018 10 16

15

	价 处
	2000
	2500
	7500
	10000
	20000
	20000
	8000
	30000
	10000
7	500
7	100

16

	价 处
	16
	0

96 ü



	600	200
	1000	300
	3000	400
	5000	1000
PTA	10000	5000
	3000	1000
	2000	400
	2000	1000
	5000	1000
	1000	500
	2000	1000
	20000	4000
	3000	500
	3000	500
	2000	500
	10000	2000
	1000	200
7	100	10
7	20	6

# 郑州商品交易所期货交易风险控制

## 管理办法

2018 8 8 20 161Ai 2018 8 8 24 (2018)1  
 48 38 2018 9 8 17 C 2018 10 8 16 16  
 10A i 2018 10 8 17 [2018]1 61 3iG689)  
 1910 84C

CCNL165CC, 8

sAGCO CC, F

i GCCIf

CCNL16AfCfL

fCLNfgffNLA/f

CgNF

CCAf

4/ <sup>1</sup>C84, OCA7

/	OCA7
TT0:" 20k 20k 20k+bG .. , 3 PTA) 4	5%
9)	7%

<sup>1</sup>4PTO TPTO TTB10 00b4  
 50 PTA 2010 22 Å 2Å

C84, CA79B

C84:2C,

L6L164LCA7

CL!	CA7
9) C8482 (880Z81 L, C	15 Z 7%
L9) F / C8482 (88 0Z81 15 ZL, C	5%
80Z81 16 Z880Z8 00ZL, C	10%
8-	20%

C0]09BC840C51

f- (7, CA51BC84, 91

951f- (7, CA

C844L18B3CAř8B

L, 0CL2BC84, 919, C

A7f- (, CA

C84951A1, 1FF5ZC

D1 D2 D3 D4 C3A (C ) NC84

(C ), 3 =F65F5ZC D1 D2 D3 D4 D5 C

3A (C ) NC84 (C ), 3.5 =,

C9sCA7A7, =

C84F2+, CA7, 3 =

N, A1

N t o o 100% t=4 5

o D1 C0C51

t t C51 t=4 5

F8A2L, CA2B3

C84CA7C

C84C(82NLn

CiC842NLGG

0Lf

Lf0

9B3BC84CA7

B3BC84C

C842C5C6:F =

đ

CB3CA7F65C,

] -A-7x

∩ <F2+, T/F65T/:9B3

CA7, C84CA7901f

Z7-9CN4CA, C9s)

-(C841-8A7-511đ

!

CC1Cf+C4:

2C84, 01

) <%C9B3C, 8C

9 C1], 1.

9) C84C0C51

, f 5%

DF È MJD

1C 4%

C84:28C

C84L, C, 2 =

C84, 0C=C8

4L, C

C84C1, 8I

xLx

4□

5 6) 9

, ( )+c 9,

( )+cF65

09 ( )+Z00C

10 2

C840CBC0

D1 C

ZC6[0 D2 D3 D4 D5 C) 2,

D2 CBC84, C D1 CC,

. : 3 Z, 6 D1 C51 D2 CBC84

CA7 D2 CC, . : 2 Z, 6

9B84B3, CA7 D1 C, CA

7 I9 D1 CB84, CA7f

D2 CBC84Z) <A2, 51C

A7=1 D3 CC=1

D2 C) <A2, D3 CBC84, C

D2 CC, . : 3 Z, 6 D2

~~610~~

D3 CBC84CA7

D3 C

C, . :

2 Z, 9B84B3, CA

7

D2 C, CA79

D2 CB84

, CA7f

D3 CB

C84Z) <A2, 51C

A7=~~1~~

D4 CC=~~1~~

D3 CBC84) <A2, F59ZC

) <A2i2) B8

4G9/], +0/

0

D4 C55CCGB3CA

7B3COLfL

NLf

D4 CC0C

D5 CG

B3CA7B3C0

L

fLNLf

9

D4 CC0

D4 Cf

fMI s, 0C[B0BC84CA

7C9

D3 C, 7-8BC84=

) <A2

D2 C) 0CAC

2I020B

D1 C0

CCCA71

f7 D4 C51C6 D3 C

L2C+c, Z DBg5MC

(<BC841F651 D3 C

510" (BC84, 0CA7 ), 91

D3 CCBC84, 19

88

f<0gBC84, A1x8)

fFP, 4+g

∩ f, 0

0+cG, .

D3 Cf2Å13+5]C+c

9, DBgBC84, 1F651 D3

C510" (BC84, 0CA7 ),

9+cG, 8)gA1FPg1A

G3+586GFB3g=o9:

F , f2=+c,

g1, , A1

gB C 84 1, =  $\frac{\text{Ò g B V 8404}}{\text{g B C 84, 1G}}$  (s )

gBC841, 7gBC84, 19 ( )

L51A1, , k

1, g93, .

**F AÑËY**

úÅ

**ÇMÇD**

2 =, 1

1G-G93

9G, 6GI

1. G, 6GI

D39, , 1, =<64

F4F6G

x6G593 1, F651C84

D3 C51A1<

2 =, 1

(1

0 , 2 =, 1 )

6G51, F651C84

1 =

, 1 (10 , 1 =, 1 )

6G51, F651C84

1 =

, 1 (10 , 1 =, 1 )

06G51, F184

2 =, 1

1 (10 , 2 =, 11 )

2:446G9+cG

(+cG

)

44, , 1GF6G

2. G, 6GP

9, 2 =, 1GF651+cG+c

G, 2 =, 1G,6+cGA,

2 =, g16GLG



~~Y~~ 2 =, 1G+cGi, 2 =,  
 1G+cG,6", 2 =, 1GA  
 +cg6GLG+cG9:F ,  
 6GA, 1 =, 16GF9,A, 1 =  
 , 16G9F9A, 2 =, 116G  
 9, =6GPLt  
 6GG=C0, 9A1  
 x) ZC5F. 16G, G, G6F6GF9  
 G6+, NFF6G  
 G:F BC84NLZGn, C  
 3F299GNL f  
 C84B2,  
 BC84, C CA7=11 L  
 f  
 C848, 0C) 19ZF5<A  
 2, IL2Ci2) BC84x  
 fG) F65-G)  
 CCLf  
 L7CF65g9A1,190  
 C841, 0G  
 1 4/C84) C(=L

1,4 ' 0,3

PTA :#bG):2

C848842 (880Z81

15 ZL,

C84, 1GF10 MC (

g91G,

10%. LN84, 1G

0 MC (g95) G. LN

L7

/	C841G	MC (g0
0	1G 15 7	15000
	1G1 15 7	1G 10%
,3	1G 25 7	25000
	1G1 25 7	1G 10%
PTA	1G 25 7	25000
	1G1 25 7	1G 10%
:"	1G 10 7	10000
	1G1 10 7	1G 10%
+bG	1G 10 7	10000
	1G1 10 7	1G 10%
)	1G 20 7	20000
	1G1 20 7	1G 10%
:2	1G 20 7	20000
	1G1 20 7	1G 10%
	1G 60 7	60000
	1G1 60 7	1G 10%

TT20k:220k20k..4

9)C848842 (880Z81

15 ZL,

CL7

/	MC (g01
T	2000
T	2500
20k	7500
:2-	10000
20k	20000

Šok	20000
h	8000
K	30000
da	10000
9MŽ 7 8 84Ö Å	500
9Ä 7 8 84Ö Å	100

4M6BZ1\

16 Z88L

7

/	MC (g01	
	80Z81 880Z800 ZL, C	16 Z 8- 8fgL 0
T	600	200
T	1000	300
0	3000	400
, 3	5000	1000
PTA	10000	5000
:"	3000	1000
20k	2000	400
+bG	2000	1000
)	5000	1000
:2-	1000	500
:2	2000	1000
	20000	4000
20k	3000	500
20k	3000	500
.	2000	500
.	10000	2000
4	1000	200
M 9) 7 8 84	100	10
9) 7 884	20	6

=, gCC4I-

80Z8, 00ZCf-

g6C841B30, 8F

8999.

<0g=<C(409ZC5F. 1

4C5F. 1:91,

8A=COZg, LN

05 111

111

MC (FgC1LN,C99

1b CCLNfCLN7C

F65g) 0840LOC, 0€

i2)=<, :2/84) G6F65G,

gfCLN7+C3

1C, 0G=

hLf

∩ <0g=<C(

409ZC5F. 1

4C5F. 1:90CG, 8A=COZg, C

LN

MC (F65g, 0G=CC

10

10

10

C0]MC (F65g18g

,k0CACMC (F

65gM0F65,CF

.9

18g

, MC (FgA

CG

0GCg

0gCt51

9Cf

18g

, g9F658f

2[6[:U=F65

8fD-A=

C() g, 9FMA

, -

CCf

7gFC-(C

)F19, -(C841, f

F65g9G0, C9sF

0517NMZ7-LC,

113

9F8-, 8f1

FC45,

iC , 3U,

,

, IO

x+8LC(L, LF

Z 10 15 6,"Cf

+8, 9N,

+8. 518C 1

N, +C.

+C, 90

0C9, =F

g= 10N, 9:0

CL2 C84k1G+Nf91G,

C84, C84BgBC84,

1+. ZM0, 9F-A

+, NxMOF-A,

9 1N, 9CG+, N) M

C (FgF

g= 19N, 9:0

CL28fC841+Nf



<%C

109N

Cx9N. d (910

N. d (

+2%C:F I0,C9s

CF. F.

g

19

109N, C

, 515F. 19

1

N, CA9F.

~ ZL8"

, G6+

C919

. , I2) -

65LAA

F16A

, 1F2C

+CF652

G, 1N80C55

-8"

+CF65291,

7-, t, +F65gZ7-

~~19655565F65~~

L19 1NF+, ,

F6511g, +, g

x8ABgF-

19 N, +1

, AC:UFf

CCNLA/f

CA6[F65<G18B

G3NL/-1A/FNL

)G0, C) 7,

1F65 g B8BGNLF65F65 g

0 F65 g C2

F65 g 12

9 Ct2

F65 g FF4

CF65 g , A

B3

3 CA,

CF+eBG , ++eBNFMB8B ,

B8BA

CF65g,

gf



F65g9F€d (9NL,

C)F65gM, NL/-

+G 0, CAF65G6

g NL/-

0C1) 2

C1)C1)D

9-C1-L21)D

CA, 2

F, C9GCF

46946

9L-C-(, NLfGC

L-C4I9(!

~ GsGC

8 2018 10 8 22 C

$\mathbb{R} : G$  , 6GP Sf bS(G)

! P	6G	6G	6G''	6G) B	5
1	, 2 =, 1 G1+c G	+c G	+c Gr 2 =, 1 G	, 2 = g	6G''
2	, 2 =, 1 G <+c G	, 2 =, 1 G	, 2 =, 1 Gr+c G	+c g	9 9P 3 4 6G
3	, 1 =, 1 G1+c G 1	+c G 1	+c G 1r 1 =, 1 G	, 1 = g	6G''
4	, 1 =, 1 G <+c G 1	, 1 =, 1 G	, 1 =, 1 Gr+c G 1	+c g	9 9P 5 6 6G
5	, 1 =, 1 G1 +c G 2	+c G 2	+c G 2r 1 = , 1 G	, 1 = g	6G''
6	, 1 =, 1 G <+c G 2	, 1 =, 1 G	, 1 =, 1 Gr +c G 2	+c g	9 9P 7 8 6G
7	, 2 =, 11 G1+c G 3	+c G 3	+c G 3r 2 =, 11 G	, 2 = g	6G''
8	, 2 =, 11 G <+c G 3	, 2 =, 11 G	, 2 =, 11		