

# Overview on the Ministerial Ordinance of Technical Requirements Applying to the Nuclear Installations

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2001 7 28

31 “ ”

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### “Abstract”

“Ministerial ordinance on technical requirements applying to the nuclear installations”, published on July 28 in 2001, consists of chapters of siting, structure facility and functional capability, operations, and quality assurance. In this paper, the followings are introduced: backgrounds of a whole revision of this ministerial ordinance, structures and components of a revised edition, and its characteristics. Technical requirements that were newly established and considered for safety enhancement are also introduced, which include environmental effect design bases, startup shutdown and low power operations, human factors, fire protection, and radiation protection & radioactive waste management.

### 1.

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2001 7 28 “ ” ( “ ” )  
) 31 . 2000 4 18 16

1992 가 (G7 ) “

” 가 ( , , ) IAEA 가 . [1,2]

## 2.

NRC (General Design Criteria: GDC) 가 가 , IAEA ICRP 16 3 3

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## 3.

2. (1) (2) (3) (4) 4 (1) ( 1 ) . , ‘ , ‘ , ‘ . , ‘ , 7 ; 38 , ‘ ; 16 , 18 ( 1 ) . 1 NRC 25 , IAEA ,

1.

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8	30	51
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	34	55
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15	38	59
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25	48 .	

4.

IAEA . 7 ( ) 8 ( )  
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 , [3,4] , [5,6] 가 ,

42 ( ), 43 ( ), 45 ( )  
48 ( ) 49 ( )

NRC

IAEA

가 , '가  
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( ), 60 ( ) . 가

25

가

## 5.

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가  
IAEA TECDOC-801 [3]  
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40 60 가  
가

2)

가

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가

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가 가 ,

3)

가 .

가 , 가

3,4

45 ( )

가

가

57 ( )

(near miss)

가

[7] 가

4)

가

14 ( )

가

59 ( )

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NRC

32 (

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62 ( )

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가 ,  
 66 ( )  
 가  
 가 (1)  
 가, (2) , (3)  
 (4)

**6.**

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 IAEA  
 가 가

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