

14.

14.1

(1) (work system)

1)

가

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() , . ,

2)

a)

(output) .

b) , (material)

(input) .

c) , (machine)

input output 가 1 가

, .

d) (man)

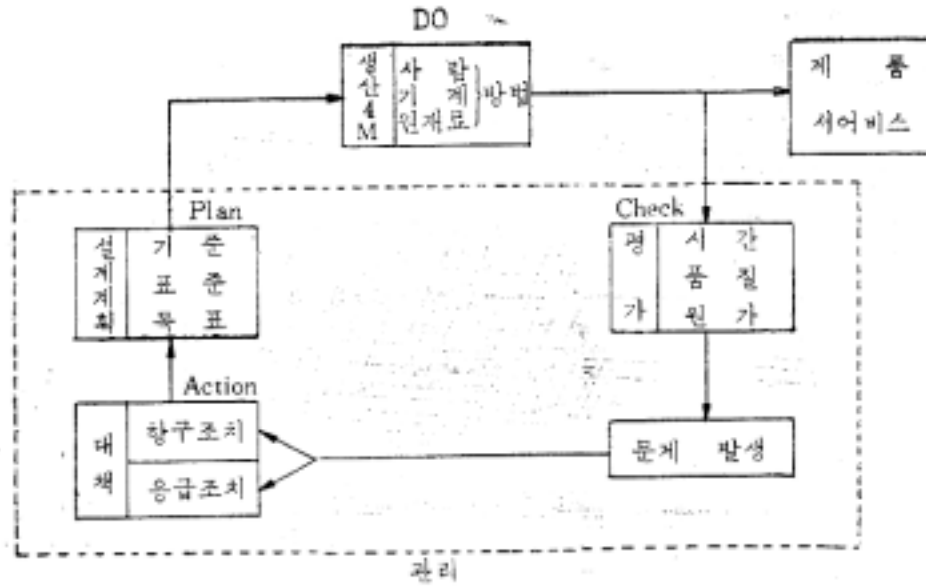
2 가 , 가

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e) , (method)

3 (material, machine, man) ,

5M



14-2.

(2)

1)

(AIIE)가 1955

“ ” (ㄱ)

(integrated system) ,

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2)

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(3)

1) (old IE, traditional IE)

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가 ,
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a) (F.W. Taylor, 1856~1915)

(time study) 1

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“가
가 (task)
.”
가

b) (F.B. Gilbreth, 1868~1924)
, (-therblig)

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(motion mind) . “
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— — .”

c) (H. Ford, 1863~1947)
(synchronized system) (1914).

3S(, ,)

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d) (1924~1932)

Western Electric Co. Hawthorne

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(,)

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(sense of belongingness) ,

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(informal organization) .

(morale) ,

.

e) (work study)

1930

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가

. (H.B. Maynard), (R.M. Barnes), (A.H.

Mogensen) .

2) (Modern IE)

a) (R.U. Lehrer)

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· ,
· , OR, SE, VE, PERT
· CPM , 가 .

· ,
· ,
b)

IE 3M (information) .
IE OR, SE .
IE IE
가 .
IE IE가 . IE
IE .