

[RFID/USN] UHF HF

ISO/IEC JTC 1/SC 31/WG 4/SG 3(SG 3) RFID ISO/IEC 18000
 RFID , 900 MHz
 RFID EPCglobal
 2004 UHF Class1 Gen2 Version 1.0.9 ISO/IEC
 SG 3 ISO/IEC 18000-6 Amendment
 , SG 3 ISO/IEC 18000-6 Type C

2008 4 ISO/IEC JTC 1/SC 31/WG 4/SG 3
 UHF RFID HF RFID 가
 . UHF(Ultra High Frequency) EPCglobal 900 MHz
 RFID HF 가 가 ,
 HF(High Frequency) 13.56 MHz RFID UHF
 . UHF HF RFID
 , .

EPCglobal UHF (860-960 MHz) ISO/IEC
 EPCglobal UHF (860-960 MHz) ISO/IEC 18000-6 Rev1
 CD(Committee Draft,) FCD(Final Committee Draft,
) CD
 . CD , EPCglobal
 EPCglobal UHF Gen2 Version 1.2.0 ISO/IEC 18000-6 Rev1
 . EPCglobal 가 ,
 (v1.2.0) SG 3
 2 EPCglobal SC31
 . EPCglobal UHF Gen2 Version 1.2.0 Item level tagging
 Recommissioning Blockpermalock 가
 PC(Protocol Control) XPC(Extended Protocol Control) ,
 PC XPC UII(Unique Item Identification) CRC

5 30 CD FCD
 , 6 EPCglobal CD
 . EPCglobal SG 3

가 ISO/IEC 18000-6 Rev1 EPCglobal CD

6 EPCglobal

EPCglobal HF (13.56 MHz) ISO/IEC

ISO/IEC 18000-3 mode 3 UHF 18000-6 Type C 가 가

HF (13.56 MHz) UHF HF

, command-response , ID , anti-collision

. EPCglobal HF Gen2 Version 1.0

, Craig Harmon ISO TC122/TC104 JWG 18000-3 mode 3

, TC122/TC104 JWG 18000-3

mode 3 , 13.56 MHz 가

FCD 가 SG 3 가

860-960 MHz UHF RFID 13.56 MHz HF

RFID 가

가

(de facto

standard) EPCglobal 가 ,

UHF/HF

SG 3 EPCglobal

(RFID/USN , youskang@etri.re.kr)