Working only in Manual mode. Along with Stephanie's HMI screen to manual clear a tag, manually read/wirte a tag.

**0**
R6Z_Clear_All_P
B
┤ ├

R6Z_Clear_All
(L)

**1**
RFID6
RFIDTP6          RFID_N056:I.Cha
R6Z_Clear_All   <RFID_N056:I.Channel[1].TagPresent>   nnel[1].Busy
┤ ├                    ┤ ├                              ┤/├

MOV
Move
Source          0
Dest   RFID_N056:O.Cha
       nnel[1].Data[0]
       0

MOV
Move
Source        112
Dest   RFID_N056:O.Cha
       nnel[1].Length
       10

MOV
Move
Source          0
Dest   RFID_N056:O.Cha
       nnel[1].Address
       0

MOV
Move
Source          0
Dest   RFID_N056:O.Cha
       nnel[1].Command
       4

R6Z_Clear_All_S
tart
(L)

R6Z_Clear_All
(U)

**2**
R6Z_Clear_All_S
tart
┤ ├

EQU
Equal
Source A   RFID_N056:I.Cha
           nnel[1].Command
           4
Source B           0

MOV
Move
Source         13
Dest   RFID_N056:O.Cha
       nnel[1].Command
       4

**3**
R6Z_Clear_All_S   RFID_N056:I.Cha
tart              nnel[1].Busy
┤ ├               ┤ ├

R6Z_Clear_All_S
tart
(U)

R6Z_Clear_All_I
nprogress
(L)

**Rung 4**

R6Z_Clear_All_Inprogress — RFID_N056:I.Channel[1].Busy (NC) — EQU Equal, Source A RFID_N056:I.Channel[1].Command 4, Source B 13 — R6Z_Clear_All_Inprogress (U)

**Rung 5**

R6Z_Check_Read_PB — R6Z_Check_Read (L)

**Rung 6**

R6Z_Check_Read — RFID6 <RFID_N056:I.Channel[1].TagPresent> — RFIDTP6 RFID_N056:I.Channel[1].Busy (NC) —

MOV Move Source 0, Dest RFID_N056:O.Channel[1].Command 4

MOV Move Source 0, Dest RFID_N056:O.Channel[1].Data[0] 0

MOV Move Source 0, Dest RFID_N056:O.Channel[1].Address 0

MOV Move Source 10, Dest RFID_N056:O.Channel[1].Length 10

— R6Z_Check_Read (U)

— R6Z_Check_Start (L)

**Rung 7**

R6Z_Check_Start — EQU Equal, Source A RFID_N056:I.Channel[1].Command 4, Source B 0 — MOV Move Source 4, Dest RFID_N056:O.Channel[1].Command 4

**8**

```
    R6Z_Check_Start    RFID_N056:I.Cha                                                            R6Z_Check_Start
                       nnel[1].Busy                                                                    (U)
  ──────] [──────────────] [──────────────────────────────────────────────────────────────────────

                                                                                                 R6Z_Check_InPro
                                                                                                     gress
                                                                                                      (L)
```

**9**

```
  R6Z_Check_InPro     RFID_N056:I.Cha                                                            R6Z_Check_InPro
      gress           nnel[1].Busy                                                                    gress
  ──────] [──────────────]/[─────────┌─────────────────────┐──────────────────────────────────      (U)
                                     │        EQU          │
                                     │ Equal               │                                   R6Z_Check_Resul
                                     │ Source A RFID_N056:I.Cha│                                       ts
                                     │          nnel[1].Command│                                       (L)
                                     │                    4 │
                                     │ Source B           4 │
                                     └─────────────────────┘
```

**10**

```
  R6Z_Check_Resul                                    ┌──────────────────────────┐              R6Z_Check_Resul
      ts                                             │          MOV             │                   ts
  ──────] [──────────────────────────────────────────┤ Move                     │───────────────    (U)
                                                     │ Source  RFID_N056:I.Cha   │
                                                     │         nnel[1].Data[3]   │
                                                     │                       2   │
                                                     │ Dest    R6S_Check_Curre   │
                                                     │         nt_Part_NO        │
                                                     │                       2   │
                                                     └──────────────────────────┘
                                                     ┌──────────────────────────┐
                                                     │          MOV             │
                                                     │ Move                     │
                                                     │ Source  RFID_N056:I.Cha   │
                                                     │         nnel[1].Data[4]   │
                                                     │                       2   │
                                                     │ Dest    R6S_Check_Curre   │
                                                     │         nt_Process_NO     │
                                                     │                       2   │
                                                     └──────────────────────────┘
```

**11**

```
  R6Z_Write_Test_                                                                               R6Z_Write_Test
      PB                                                                                             (L)
  ──────] [──────────────────────────────────────────────────────────────────────────────────────
```

**12**

RFID6
RFIDTP6
R6Z_Write_Test　<RFID_N056:I.Channel[1].TagPresent>

RFID_N056:I.Cha
nnel[1].Busy

MOV
Move
Source　R6S_User_Input_
Part_NO
2
Dest　RFID_N056:O.Cha
nnel[1].Data[0]
0

MOV
Move
Source　　　　3

Dest　RFID_N056:O.Cha
nnel[1].Address
0

MOV
Move
Source　　　　1

Dest　RFID_N056:O.Cha
nnel[1].Length
10

MOV
Move
Source　　　　0

Dest　RFID_N056:O.Cha
nnel[1].Command
4

R6Z_Write_Test
(U)

R6Z_Write_Check
(L)

**13**

R6Z_Write_Check

EQU
Equal
Source A　RFID_N056:I.Cha
nnel[1].Command
4
Source B　　　　0

MOV
Move
Source　　　　14

Dest　RFID_N056:O.Cha
nnel[1].Command
4

**14**

R6Z_Write_Check

RFID_N056:I.Cha
nnel[1].Busy

R6Z_Write_Check
(U)

R6Z_Write_Inpro
gress_Check
(L)

**15**

R6Z_Write_Inpro
gress_Check

RFID_N056:I.Cha
nnel[1].Busy

EQU
Equal
Source A　RFID_N056:I.Cha
nnel[1].Command
4
Source B　　　　14

R6Z_Write_Inpro
gress_Check
(U)

R6Z_Write_Test_
1
(L)

**16**

R6Z_Write_Test_1 | RFID6 RFIDTP6 <RFID_N056:I.Channel[1].TagPresent> | RFID_N056:I.Channel[1].Busy

MOV — Move
Source  R6S_User_Input_Process_NO
            2
Dest  RFID_N056:O.Channel[1].Data[0]
            0

MOV — Move
Source  4
Dest  RFID_N056:O.Channel[1].Address
            0

MOV — Move
Source  1
Dest  RFID_N056:O.Channel[1].Length
            10

MOV — Move
Source  0
Dest  RFID_N056:O.Channel[1].Command
            4

R6Z_Write_Test_1 (U)

R6Z_Write_Check_1 (L)

**17**

R6Z_Write_Check_1

EQU — Equal
Source A  RFID_N056:I.Channel[1].Command
            4
Source B  0

MOV — Move
Source  14
Dest  RFID_N056:O.Channel[1].Command
            4

**18**

R6Z_Write_Check_1 | RFID_N056:I.Channel[1].Busy

R6Z_Write_Check_1 (U)

R6Z_Write_Inprogress_Check_1 (L)

**19**

R6Z_Write_Inprogress_Check_1 | RFID_N056:I.Channel[1].Busy

EQU — Equal
Source A  RFID_N056:I.Channel[1].Command
            4
Source B  14

R6Z_Write_Inprogress_Check_1 (U)

(End)