

# Analysis of M code at DQ^SISIADT

February 12, 2014

DQ [Task] SISIADT\*2.0\*4 - Consolidated entry point for branching to event processing routines. Previously, tasks were dequeued to each event processing TAG^ROUTINE. In this revision, variable SISIVRTN contains the target processing routine.

## Source Line DQ+5:

```
Q: '$L($G(SISIVRTN)) ;If reached from invalid context
```

### Command 1

```
Q: '$L($G(SISIVRTN))
```

```
Quit, if not $LENGTH($GET(event processing routine)),
```

### Comment

```
;If reached from invalid context
```

## Source Line DQ+6:

```
I $$GET^XPAR("SYS", "SISI DELETE COMPLETED TASKS") S ZTREQ="@";SISIADT*2.0*10
```

### Command 1

```
I $$GET^XPAR("SYS", "SISI DELETE COMPLETED TASKS")
```

```
If $$GET^XPAR("SYS", "SISI DELETE COMPLETED TASKS")
```

### Command 2

```
S ZTREQ="@"
```

```
Set task delete flag equal to "@"
```

## Comment

;SISIADT\*2.0\*10

**SISIADT\*2.0\*11 - Master Switch**

## Source Line DQ+8:

S SISIMSTR=\$\$GET^XPAR("SYS","SISI MASTER SWITCH") ;Recompute value

## Command 1

S SISIMSTR=\$\$GET^XPAR("SYS","SISI MASTER SWITCH")

*Set master switch equal to \$\$GET^XPAR("SYS", "SISI MASTER SWITCH")*

## Comment

;Recompute value

**Check for SUSPEND mode**

## Source Line DQ+10:

I SISIMSTR=3,SISISYNC D F H 2 S SISIMSTR=\$\$GET^XPAR("SYS","SISI MASTER SWITCH") I 1 Q: '(SISIMSTR=3)

## Command 1

I SISIMSTR=3,SISISYNC

*If master switch equals 3 and synchronized event processing*

## Command 2

D

**Do**

## Command 3

F

**For**

## Command 4

H 2

**Hang 2**

## Command 5

```
S SISIMSTR=$$GET^XPAR("SYS", "SISI MASTER SWITCH")
```

Set *master switch* equal to \$\$GET^XPAR("SYS", "SISI MASTER SWITCH")

## Command 6

```
I 1
```

If 1

## Command 7

```
Q: '(SISIMSTR=3)
```

Quit, if not (*master switch* equals 3),

## Source Line DQ+11 (structure level 1):

```
.D:SISIALOG>2 XCPT^SISIAUTL(,"MasterSwitch SUSPEND")
```

## Command 1

```
D:SISIALOG>2 XCPT^SISIAUTL(,"MasterSwitch SUSPEND")
```

Do, if *log status* greater than 2, XCPT^SISIAUTL( "MasterSwitch SUSPEND")

## Source Line DQ+12 (structure level 1):

```
.Q
```

## Command 1

```
Q
```

Quit

Check for unSUSPEND (change from suspend to ON or OFF)

## Source Line DQ+14:

```
I $T D:SISIALOG>2 XCPT^SISIAUTL(,"MasterSwitch "_$(SISIMSTR=1!(SISIMSTR=1):"OFF",1:"ON"))
```

## Command 1

```
I $T
```

If system variable \$TEST

## Command 2

```
D:SISIALOG>2 XCPT^SISIAUTL(,"MasterSwitch "_$S(SISIMSTR=1!(SISIMSTR=1):"OFF",1:"ON"))
```

Do, if *log status* greater than 2, XCPT^SISIAUTL(, "MasterSwitch " concatenate \$SELECT(if *master switch* equals 1 or (*master switch* equals 1) : then "OFF", if 1 : then "ON"))

## Source Line DQ+15:

```
Q:SISIMSTR=1!(SISIMSTR=2) ;Master Switch is OFF (ACK or no ACK)
```

## Command 1

```
Q:SISIMSTR=1!(SISIMSTR=2)
```

Quit, if *master switch* equals 1 or (*master switch* equals 2),

## Comment

```
;Master Switch is OFF (ACK or no ACK)
```

End SISIADT\*2.0\*11 insert

## Source Line DQ+17:

```
D EVNPRE ; PRE processing code
```

## Command 1

```
D EVNPRE
```

Do EVNPRE

## Comment

```
; PRE processing code
```

## Source Line DQ+18:

```
D @SISIVRTN
```

## Command 1

```
D @SISIVRTN
```

Do (indirect) *event processing routine*

### Source Line DQ+19:

D EVNFIN ; Cleanup code

### Command 1

D EVNFIN

Do EVNFIN

### Comment

; Cleanup code

### Source Line DQ+20:

D:\$D(ZTQUEUED) EXIT ;SISIADT\*2.0\*11 Final - Nothing after this!

### Command 1

D:\$D(ZTQUEUED) EXIT

Do, if \$DATA(*queued task flag*), EXIT

### Comment

;SISIADT\*2.0\*11 Final - Nothing after this!

### Source Line DQ+21:

Q

### Command 1

Q

Quit