S80

IMS Queue Control Facility (QCF)

Geoff Jackson



Miami Beach, FL

October 22-25, 2001

IMS QCF V1.1 - Overview

- Why is IMS Queue Control Facility (QCF) needed?
- Batch functions
- Using the ISPF Interface
- IMS Queue Space Notification
- Summary



IMS QCF V1.1 - why is it needed?

- Every IMS customer from time to time has the need to manage the Queue Data Sets.
- Have you ever had to recover from an IMS failure due to one of the Queue Data Sets overflowing?
- Do you ever shut down IMS using a Checkpoint Dump Queue and then do a restart Buildq?
- What happens if the Restart Buildq fails?
- How do you know if the queue is in danger of overflowing in time to take the appropriate action?
- Have you ever wanted to rerun an application after fixing a bug and restoring the Data Base?
- Have you ever wanted to create a set of test input using the input from an existing IMS system?
- Have you ever wanted to view and or unload messages on the Queue?



IMS QCF V1.1 - Batch Functions Overview

QCF provides a set of utilities designed to provide the user with a means to select and requeue IMS messages and to help manage the IMS Shared Message Queue (SMQ) environment.



IMS QCF V1.1 - Batch Highlights

- Supports IMS Shared Queues with QCF commands:
 - ► Query
 - ▶ Browse
 - ► Load
 - ▶ Unload
 - ▶ Recover
- Provides extended sub-commands:
 - Pacing rate messages are inserted
 - **►** Comprehensive selection criteria
 - Control number of messages inserted
- Assists user by providing:
 - **►** Comprehensive processing reports
 - ▶ User exits



IMS QCF V1.1 - Reasons for Running Batch Jobs

- Queue recovery after planned or unplanned system outages
- Queue migration and fallback between supported releases of IMS
- Application program error recovery
- Stress, regression and application testing
- Shared queues maintenance
 - Removal of old or unwanted messages

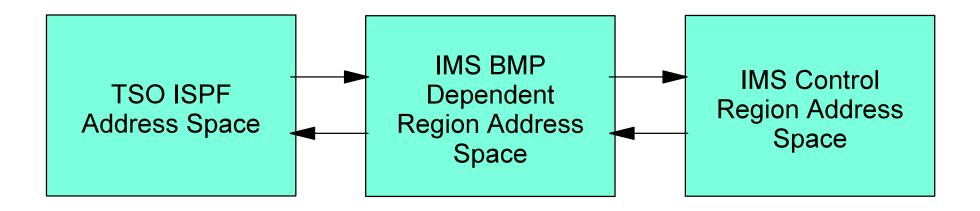


QCF V1.1 User interface

- The ISPF user interface is driven through a series of panels
- All panels have an intuitive feel and are very easy to use and learn
- Help panels are provided to assist data entry and navigation through the processes
- Messages can be selected by area and queue type, then by unique destination, and then the actual message content may be viewed
- Multiple ISPF users can have sessions with IMS at the same time



IMS QCF V1.1 Address Space Interaction





QCF Main Menu

```
[Copy selected text to clipboard]
                         IMS QUEUE CONTROL FACILITY
Command ===>
                                                          JDTE. .2001.236
Select a task for IMS1 or press END to exit.
                                                          TIME. .09:19:08.52
                                                          DATE. .2001/08/24
                    Transaction Queue Interactive Functions
Task . .
                 1 Status
                           IMS environment and queue statistics
                               List destinations with queued messages
                   Query
                   Load
                                Re-insert removed queued messages
                    Queue Overflow Protection Functions
                   Waited
                           List and operate on waited tasks
                    Tables
                               View, modify and load overflow parameters
```



Non-Shared Queue IMS Status

```
IMS QUEUE CONTROL FACILITY
Function ENVIRONM for IMS1 IMS system
Command ===>
                                                        JDTE. .2001.236
Press END to exit
                                                        TIME. .09:20:56.15
                                                        DATE. .2001/08/24
Refresh status. . N (Y or N)
IMS Environment
                                        Shared Queue Environment
IMS job name . . IMS1
                                        CQS job name. .
JES ID . . J0B00109
                                        CQS grp name. .
IMSID/RSENAME . . IMS1
                                        Structure Data
Version . . 710
                                        Type . .
GMT start time. . 2001.233/20.02.02.79
                                        Attributes . .
Restart type . . COLD
                                        Status . .
Components/Optional Features
              . . DB/DC
              . . MSC
                                         QCF Options
              . . FAST PATH
                                      . . IQCQSPC0 IS INSTALLED
              . . OTMA
```



IMS Technical Conference

AR /A2A

Non-Shared Queue Queues Status

```
IMS QUEUE CONTROL FACILITY
Function LOCALO for IMS1
                              IMS sustem
Command ===>
                                                         JDTE. .2001.236
Press END to exit
                                                         TIME. .09:22:03.79
                                                        DATE. .2001/08/24
Refresh status
                 . . N (Y or N)
                                        Local Message Queue Data Set Capacity
Local Message Queue Status
 In-core buffers
                               20
                                         OBLK records
                                                                     1364
                                             <1 %
 Buffer blocksize
                             2600
                                                    INUSE
                                            100 %
                                                    AVAILABLE. .
 Locate calls
                              243
                                                                     1359
 Release calls
                               90
                                             <1 %
                                                    HIGHWATER. .
 Purge calls
                                         SMSGQ records
                                                                     2350
 Reads
                                             <1 % INUSE
                                            100 %
 Writes
                                                    AVAILABLE. .
                                                                     2346
                                             <1 %
                                                    HIGHWATER. .
                                                                       19
                                         LMSGO records
                                                                     1075
                                             <1 % INUSE
                                            100 % AVAILABLE. .
                                                                     1074
                                             <1 %
                                                    HIGHWATER. .
```

IBM

Filter Messages

```
IMS QUEUE CONTROL FACILITY
                                                          Function ended
Generate parameters for FILTER for IMS1 IMS system
Command ===>
                                                     JDTE. .2001.236
                                                     TIME. .09:28:53.29
Press ENTER to continue or END to exit.
                                                     DATE. .2001/08/24
Queue Type Filters within Local Message Queue
All
    (Y). . Y
                                  APPC
                                       (Y). .
        (Y). .
                                            (Y). .
LTERM
                                  OTMA
                                  Serial (Y). .
Remote
          (Y). .
Suspend (Y). .
                                  Transaction (Y). .
Options
Get old msgs . .
                        (Number of 24 hour periods prior to current time)
Generate parameters for:
                                  EXCLUDE (Y)...
 INCLUDE (Y). Y
QCF user built control statement data set (if required):
Data set name
Member
```



Filter Parameters

```
IMS QUEUE CONTROL FACILITY
                   parameters for FILTER processing for IMS1
Create INCLUDE
                                                                                IMS system
Command ===>
                                                                       JDTE. .2001.236
Press ENTER to continue or END to exit.
                                                                       TIME. .09:30:25.97
                                                                       DATE. .2001/08/24
                                               Start date/time . .
Dest name
 Dest SYSID
                                               End date/time
                                              LU 6.2 name
Source name
 Source SYSID
                                                Network ID
Tmember name
                                                Dest LUname
 Dest TMname
                                                Dest NetID
 Source TMname
                                                Source LUname
                                                Source NetID
Tpipe name
IMSID
                                                Sidename
VTAM LUname
                                                TP name
UOW proc IMSID . .
                                              UOW proc token . .
                                               UOW origin token. .
UOW origin IMSID. .
Msq Filters (Y) APPC OTMA
                                     MSC VSP LTERM
                                                                I TRAN
                                                                           RTRAN
                    \ldots \  \, \mathsf{N} \  \, \ldots \  \, \mathsf{N}
 Dest type
 Source type
                    . . N . . N . . N . . N
```



List Filtered Messages

```
IMS QUEUE CONTROL FACILITY
                                                        Row 1 to 7 of 7
                    QCF task . FILTER For Q types . ALL
IMS system . IMS1
Command ===>
                                                    JDTE. .2001.236
                                                    TIME. .09:32:34.57
Select an option or press END to exit.
                                                    DATE. .2001/08/24
                                                       all msgs in table
Table options:
                  copy(P),delete(E),copy/delete(Z)
                  copy(C),delete(D),copy/delete(X),list(L),unlock(U) in row
Row options:
Sort (A or D):
S Destination
                         Struc/
                                    Percent --- Msg Count ---
  Name
                         Queue Typ Lmg
                                         Smq
                                             Prim
                                                       2ndru
                                                              Status
L T3270LC
                          LOC
                                LT
                                                  3
  TRAN31C0
                          LOC
                                TR
                                                           Θ
                          LOC
                                TR
  TRANS1R0
                                           Θ
                                                           Θ
  TRAN31V0
                          LOC
                                TR
                                           Θ
                                                           Θ
  T3767A
                          LOC
                                LT
                                                           Θ
  T3270LA
                          LOC
                                LT
                                           Θ
                                                           Θ
  TRAN31B1
                          LOC
                                TR
                                      Θ
```

MA■ d 12/004



Listed Messages for T3270LC

```
IMS QUEUE CONTROL FACILITY
                                                       Row 1 to 3 of 3
IMS jobname . IMS1
                    QCF task . FILTER
Command ===>
                                                   JDTE. .2001.236
Select an option or press END to exit.
                                                   TIME. .09:36:46.13
                                                  DATE. .2001/08/24
Get more data: yes(Y)
Table options: copy(P),delete(E),copy/delete(Z),unlock(U) all msgs in table
                copy(C),delete(D),copy/delete(X),view(V),unlock(U) in row
Row options:
Messages for:
Q TYPE=LTERM, DEST=T3270LC
Sort A/D:
                Source
                                       2ndru
                         SYSID Format
S Name
                 IMSID
                                       Msgcnt Date/Time
                                                            Status
  LUNAME =
                 SYS3
                            10
                               DFSM01
                                           0 2000141/205934
V LTERM
        = SFIMS2
                 SYS1
                            10
                                           0 1999309/014618
                 SYS1
                            10
                                           0 1999309/013429
        = IMSUS06
```



```
IMS QUEUE CONTROL FACILITY
                                                             Row 1 to 10 of 63
                           Message for IMS: IMS1
Command ===>
                                                           JDTE. .2001.236
Select an option or press END to exit.
                                                           TIME. .09:41:32.65
                                                           DATE: .2001/08/24
Show log record prefix: Y (Y or N)
Show log record user data: Y (Y or N)
Show QCF prefix:
                               (Y or N)
 Message for:
 Q TYPE=LTERM, DEST=T3270LC
 Source:
 Name= LTERM = SFIMS2
                          IMS ID= SYS1 SYSID= 10 Format=
                      Message Prefix and Text Segments -
BASIC PREFIX
+00000000
              01C60000 01C48210 080000DA 0800009C
                                                       .F .Db..
                                                                  I.
+00000010
              01B40000 E2E8E2F1 40404040 B31985B3
                                                          SYS1
                                                                   p.ep
+00000020
              16A67F82 C9D4E2F1 40404040 B65595CB
                                                       .w"bIMS1
                                                                   XNn≎
+00000030
              B2E67C84 00000000 00000000 00000000
                                                       ı W@d
SYSTEM PREFIX
+00000000
              00408100 E8600000 D3F6C1D7 D7D3F140
                                                               L6APPL1
                                                         a Y-
              00010000 00000000 00000000 00000001
+00000010
+00000020
              E2C6C9D4 E2F24040 E3F3F2F7 F0D3C340
                                                       SFIMS2
                                                               T3270LC
+00000030
              D3F6F3E2 D7F14040 40404040 40404040
                                                       L63SP1
```



```
IMS QUEUE CONTROL FACILITY
                                                     Row 11 to 20 of 63
                        Message for IMS: IMS1
Command ===>
                                                    JDTE. .2001.236
                                                    TIME. .09:42:59.42
Select an option or press END to exit.
                                                    DATE. .2001/08/24
Show log record prefix: Y (Y or N)
Show log record user data: Y (Y or N)
Show QCF prefix: N (Y or N)
Message for:
Q TYPE=LTERM, DEST=T3270LC
Source:
----- Message Prefix and Text Segments -----
ISC/LU6.1 PREFIX
            00168400 00000000 00000000 0006E3F3
+00000000
                                                 767E
+00000010
            F7F6F7C5 0000
EXTENDED PREFIX HEADER
+00000000
            00108600 011E7C00 00000000 00000000
                                                .f ..@
SECURITY PREFIX
+00000000
            00168800 E2C6C9D4 E2F24040 40404040
                                                  .h SFIMS2
+00000010
            40404040 D600
WORK LOAD MANAGER PREFIX
            00108900 00000000 B31985B3 16ABBCC2
+00000000
                                                 .i p.ep.U≤B|
```

IBM

```
IMS QUEUE CONTROL FACILITY
                                                          Row 21 to 30 of 63
                          Message for IMS: IMS1
Command ===>
                                                          JDTE. .2001.236
Select an option or press END to exit.
                                                          TIME. .09:42:59.42
                                                         DATE: .2001/08/24
Show log record prefix: Y (Y or N)
Show log record user data: Y (Y or N)
Show QCF prefix: N (Y or N)
 Message for:
Q TYPE=LTERM, DEST=T3270LC
Source:
 Name= LTERM = SFIMS2 IMS ID= SYS1 SYSID= 10 Format=
                     - Message Prefix and Text Segments -
SYSTEM EXTENSION PREFIX
+00000000
             00188A00 1999309F 01461857 2472032D
+00000010
             00008000 00000000
MSC EXTENSION PREFIX
+00000000
             005C8B00 00000000 00000000 00000000
+00000010
             00000080 00000000 00000000 00000000
+00000020
             00000000 00000000 00000000 00000003
             00000000 00000000 00000000 00000003
+00000030
+00000040
             000A000A E2E8E2F1 40404040 B31985B3
                                                       . .SYS1
             16A67F82 00000000 00000000
+00000050
```



```
IMS QUEUE CONTROL FACILITY
                                                           Row 31 to 40 of 63
                          Message for IMS: IMS1
Command ===>
                                                          JDTE. .2001.236
Select an option or press END to exit.
                                                          TIME. .09:42:59.42
                                                          DATE. .2001/08/24
Show log record prefix: Y (Y or N)
Show log record user data: Y (Y or N)
Show QCF prefix: N (Y or N)
 Message for:
 Q TYPE=LTERM, DEST=T3270LC
 Source:
 Name= LTERM = SFIMS2 IMS ID= SYS1 SYSID= 10 Format=
                 ---- Message Prefix and Text Segments ----
TRANSACTION MANAGER ROUTING PREFIX
+00000000
              00748000 00000003 00000000 00000001
                                                      T3270LC SFIMS2
+00000010
              E3F3F2F7 F0D3C340 E2C6C9D4 E2F24040
+00000020
              0A0A0108 00080000 00000000 00000000
              00000000 00000000 00000000 00000000
+00000030
              00000000 06100000 00000000 00000000
+00000040
+00000050
              00000000 00000000 00000000 00000000
+00000060
              00000000 00000000 00000000 00000000
+00000070
             00000710
OCF PREFIX (NOT PART OF MESSAGE)
```

IBW.

```
IMS QUEUE CONTROL FACILITY
                                                           Row 41 to 50 of 63
                          Message for IMS: IMS1
Command ===>
                                                          JDTE. .2001.236
Select an option or press END to exit.
                                                          TIME. .09:42:59.42
                                                          DATE: .2001/08/24
Show log record prefix: Y (Y or N)
Show log record user data: Y (Y or N)
Show QCF prefix: N (Y or N)
 Message for:
 Q TYPE=LTERM, DEST=T3270LC
Source:
 Name= LTERM = SFIMS2
                          IMS ID= SYS1 SYSID= 10 Format=
                      Message Prefix and Text Segments
              01400003 5BD8C3C6 D4E2C700 07100101
+00000000
                                                      .. .$QCFMSG ....
+00000010
              01400000 000000000 00000000 00000000
+00000020
              00048400 C8880100 1999309F 01461857
                                                       .d Hh. .r.+.E.P
                                                      ."..SYS1
              2472032D E2E8E2F1 40404040 B31985B3
+00000030
                                                                  p.ep
+00000040
              16A67F82 C9D4E2F1 40404040 B65595CB
                                                                  XNn≎
                                                      .w"bIMS1
+00000050
              B2E67C84 00000000 00000000 00000000
                                                      ı W@d
+00000060
              00010001 00000000 080000DA E2C6C9D4
                                                       . . . ISFIM
                                                      S2 T3270LC L6AP
              E2F24040 E3F3F2F7 F0D3C340 D3F6C1D7
+00000070
                                                      PL1
+00000080
              D7D3F140 00000000 00000000 82004000
                                                                  b
+00000090
              0000C3C3 00000000 00000000 000A000A
                                                        CC
```

20

```
IMS QUEUE CONTROL FACILITY
                                                          Row 51 to 60 of 63
                          Message for IMS: IMS1
Command ===>
                                                         JDTE. .2001.236
Select an option or press END to exit.
                                                         TIME. .09:42:59.42
                                                         DATE. .2001/08/24
Show log record prefix: Y (Y or N)
Show log record user data: Y (Y or N)
Show QCF prefix: N (Y \text{ or } N)
 Message for:
 Q TYPE=LTERM, DEST=T3270LC
Source:
 Message Prefix and Text Segments ----
             00000000 00000000 00000000 00000000
+000000A0
+000000B0
             00000000 00000001 D8C3C6E5 F1D9F140
                                                            .OCFV1R1
+000000C0
             40404040 40404040 00000000 00000000
+000000D0
             00000000 00000000 00000000 00000000
+000000E0
             00000000 00000000 00000000 00000000
+000000F0
             00000000 00000001 00000001 00000000
             0000000 00000000 0000000 00000000
+00000100
+00000110
             00000000 00000000 00000000 00000000
             00000000 00000000 00000000 00000000
+00000120
             00000000 00000000 00000000 00000000
+00000130
```



IMS Technical Conference

```
IMS QUEUE CONTROL FACILITY
                                             Row 61 to 63 of 63
                    Message for IMS: IMS1
Command ===>
                                             JDTE. .2001.236
Select an option or press END to exit.
                                             TIME. .09:42:59.42
                                            DATE: .2001/08/24
Show log record prefix: Y (Y or N)
Show log record user data: Y (Y or N)
Show QCF prefix: N (Y or N)
Message for:
Q TYPE=LTERM, DEST=T3270LC
Source:
- Message Prefix and Text Segments ----
USER DATA FROM PRIMARY RECORD
+00000000
          00122300 E3F3F2F7 F0D3C340 C8C5D3D3
                                          .. T3270LC HELL
+00000010
          D64B
```



Load Messages into Queues

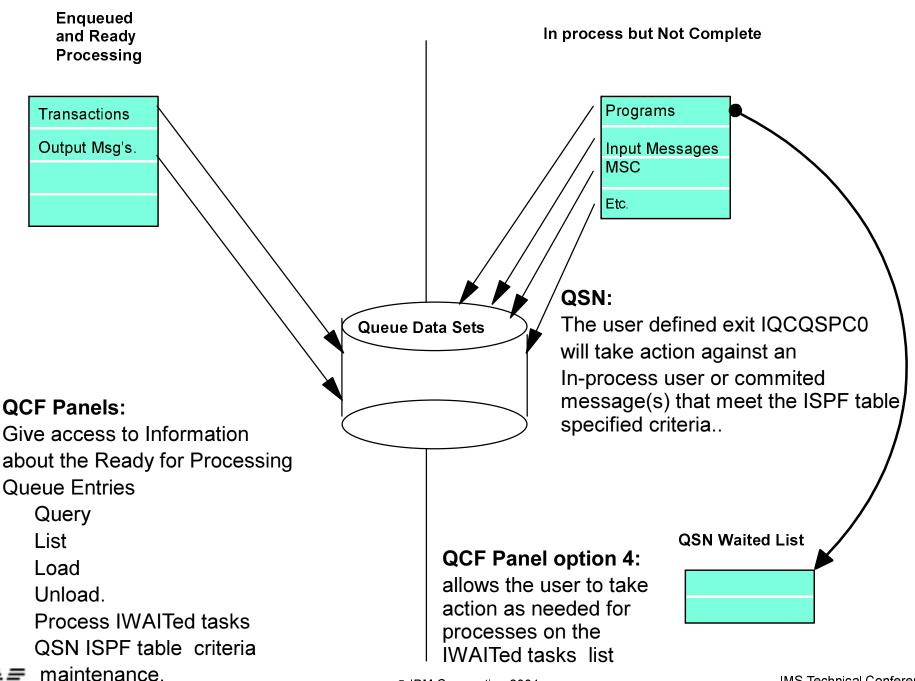
```
IMS QUEUE CONTROL FACILITY
                                                                Row 1 to 13 of 29
                        QCF task . LOAD For Q types . ALL
IMS system . IMS1
Command ===>
                                                             JDTE. .2001.236
Select an option or press END to exit.
                                                             TIME. .10:28:11.17
                                                             DATE: .2001/08/24
Table options: _ load(L),delete(D)
                                                   unloaded messages
Row options: load(L),delete(D),list(S),reset(R) messages in row
Sort (A or D):
S Destination
                             Struc/
                                      Q
                                           Percent --- Msg Count ---
                                     Typ
  Name
                             Oueue
                                          Lmq
                                                Smq
                                                     Prim
                                                                 2ndru
                                                                         Status
                              LOC
  CDEBTRN4
                                      TR
                                                  Θ
  TRAN31B0
                              LOC
                                      TR
                                                  Θ
                                                                      Θ
                              LOC
                                      TR
                                                  0
  TRAN31C0
                                                                      Θ
  APOL12
                              LOC
                                      TR
                                             Θ
                                                  Θ
                              LOC
                                      TR
                                                  Θ
  TRAN31V0
                                                                      Θ
                                      TR
                                                  Θ
  APOL11
                              LOC
                                             Θ
                                                                      Θ
  TRAN31B1
                              LOC
                                      TR
                                             Θ
                                                  0
                                                          1
                                                                      Θ
  WTOR
                              LOC
                                      LT
                                                  Θ
                                                         65
  IMSUS06
                              LOC
                                     ΙΤ
                                                  0
                                                                      Θ
  L62TERM1
                              LOC
                                                  0
                                                                      Θ
                                                          1
  T3270LA
                              LOC
                                      LT
                                                  Θ
                                             0
                                                                      0
                                                          2
                                                  Θ
  IMSUS03
                              LOC
                                      LT
                                             Θ
                                                                      Θ
  LTERM10
                              LOC
                                      ΙΤ
                                                  Θ
                                                                      Θ
```

23 🔻

IMS Technical Conference

A7/A18

QCF Interfaces Overview





IMS QCF V1.1 Queue Space Notification

- IMS ships a sample of user exit DFSQSPC0 to help customers manage IMS Message Queue usage.
- QCF provides IQCQSPC0, it's version of DFSQSPC0.
- IQCQSPC0 is entered for get and free of queue space.
- Upon "get" entry, the exit is told
 - ▶ Records Used in Data Set
 - Records Allocated to Caller
 - ► Type of caller
 - Application program
 - -LU6.2 (APPC)
 - Data Communications (input terminal)
 - -OTMA
 - -MSC
 - ▶ Other queue information e.g. destination stopped



IMS QCF V1.1 Queue Space Notification (cont.)

- IMS passes user supplied upper (QTU) and lower (QTL) threshold limits to the exit
 - ► Defaults are 75% and 60% respectively
- QTU and QTL are used by the exit to split the message queue usage into 4 thresholds
- The exit specifies actions based on which threshold was exceeded, type of caller, and the current message's contribution to the threshold
- The first time a caller is "waited" an IMS message is issued
- The exit can take the following actions:
 - No action (let the insert continue)
 - ► Stop the message insert
 - ► Put the message insert on the QSN wait list

Note that these values can be overriden using the ISPF Table maintenance function.



IMS QCF V1.1 Queue Space Notification (cont.)

- The ISPF panel interface option 4 is used to query the QSN wait list
 - ► Actions which can be taken:
 - Release to continue processing
 - Terminate (Abort)
 - Send Status Code A7
 - Put Input Message on the suspend queue
- The ISPF panel interface option 5 is used to modify the defaults for the threshold criteria



IMS QCF V1.1 QSN Waited Tasks List

```
IMS QUEUE CONTROL FACILITY
                                                Empty dataset
               IMS system IMS1 waited processes
Command ===>
                                            JDTE. .2001.236
                                           TIME. .10:07:13.29
Select an option or press END to exit.
                                           DATE. .2001/08/24
Table options: _ release(E),stop(T)
                                                  all tasks
Row options: release(R),abort(A),stop(X),suspend(S),list(L) task in row
Sort:
 ----- 2ndru
S Type Identifier Msgcnt Dest Insert Time PCB Status
```



IMS QCF V1.1 QSN Threshold Criteria Table Maintenance Menu

```
IMS QUEUE CONTROL FACILITY
   Oueue Overflow Protection Parameter Maintenance
                                                    IMS1
                                                             IMS system
Command ===>
                                                         JDTE. .2001.236
Press ENTER to continue or END to exit.
                                                         TIME. .10:11:38.46
                                                         DATE. .2001/08/24
              Uncommitted Messages Parameters
              1 QSN Table Select queue space notification table
Task . .
              Committed
                          Messages Parameters
                Area A-B
                            Select AREA A-B invoked command processing
                Area B-C
                            Select AREA B-C invoked command processing
              3
                Area C-D
                            Select AREA C-D invoked command processing
              4
                User Set Threshold
```



A9/A11

IMS QCF V1.1 Select QSN Notification Table

```
IMS QUEUE CONTROL FACILITY
IMS system : IMS1
                     QSN Table Maintenance for uncommitted messages
                     Member IQCQSNUN
Command ===>
                                                    JDTE. .2001.236
Press ENTER to continue or END to exit.
                                                    TIME: .10:16:39.23
                                                    DATE. .2001/08/24
 Queue upper threshold : 007
                                    Ignore application calls
 Queue lower threshold : 004
                                    inserting messages
                                    to express PCB;s
 Queue IQC6101 threshold : 080
                                        AREA C
           AREA A
                     AREA B
                                                      AREA D
Caller STOP, START STOP, START STOP, START STOP, START
         (Prent Actn) (Prent Actn) (Prent Actn)
                                                    (Prent Actn)
Type
        100 N , 100 N 050 W , 050 W
                                     008 W , 005 W
 Type0
                                                     008 S , 005 S
                                     008 W , 005 W
                                                     008 S , 005 S
APPL
         100 N , 100 N
                       050 W , 050 W
                                                     008 S , 005 S
         100 N , 100 N
                                     008 W , 005 W
APPC
                      050 W , 050 W
         100 N , 100 N
                                     008 W , 005 W
                                                     008 S , 005 S
DC
                      050 W . 050 W
                                                     008 S , 005 S
        100 N , 100 N 050 W , 050 W
                                     008 W , 005 W
OTMA
        100 N , 100 N 050 W , 050 W
                                     008 W , 005 W
                                                     008 S , 005 S
MSC
Job names to process committed messages when crossing thresholds:
                           B-C: IQCPRCBC C-D: IQCPRCCD
             A-B: IQCPRCAB
Job name to process committed messages at point of IQC6101: IQCPRCUT
```



IMS QCF V1.1 Replace QSN Notification Table

```
IMS QUEUE CONTROL FACILITY
```

IMS system : IMS1 Default Member in dataset IMSVS.QCFT.IMS7.IQCQSNTU

Command ===>

JDTE. .2001.236

Press ENTER to continue or END to exit TIME. .10:17:49.94

DATE. .2001/08/24

Warning: No you really want to update the default table IQCQSNUN After update the table will be inserted to IMS IMS1

Enter Y to confirm update and insert.



IMS QCF V1.1 Update QSN Committed Messages Parameters

```
IMS QUEUE CONTROL FACILITY
                                                          Row 1 to 6 of 6
   Create INCLUDE/EXCLUDE parameters for automated committed messages
     processing for crossing threshold AB
                                               IMS1
                                                        IMS system
Command ===>
                        Member IOCOSNAB
                                                     JDTE. .2001.236
Press ENTER to continue or END to exit.
                                                     TIME. .10:25:04.29
                                                     DATE. .2001/08/24
Table options:
                 save(S)
Row options:
                 edit(E),copy(C),delete(D),insert(I)
                Filter Dest
         Oueue
                                              Oueue
                                                       Source
 Action Type/Age Type
                       QType
                             Destination Name
                                              Prc/Cnt
                                                       QTupe
                                                              Source Name
 UNLOAD ALL
                  ΙN
                        MSC
                                                 01
 UNLOAD ALL
                  IN
                        VSP
                                                 30
 UNLOAD APPC
                        APPC
                                                 30
                  IN
                                                30
 UNLOAD LTERM
                  IN
                       LTER
 UNLOAD OTMA
                  ΙN
                        OTMA
                                                 30
                        TRAN
                                                30
 UNLOAD TRANS
                  ΙN
```



04/015

d

IMS QCF V1.1 Summary

- IBM is now offering a tool which can help the customer manage all aspects of the IMS Queue.
 - ► Monitor the existing queue space usage and notify in case of problems in time to do something about the problem.
 - Manage the inprocess IMS Queue
 - Ability to Query, Browse, and Unload input/output which is flooding the queue
 - Ability to save unloaded data for additional processing and possible reloading after fixing a problem.
 - ► Query the existing Queue to determine the kind of queue usage by various IMS entities (input, program output, etc..).
 - ► Look (Browse) specific queue entries
 - ► View message content
 - ► Remove (Unload) specific queue entries

