This document points out the key differences and similarities between the CA
and CSI (BIM) FAQS (ASO & PCS) and GSS.

For BIM-GSS, you will be executing CSIPKINT and BIM$INIT, followed by the
BIM-FAQS/ASO and BIM-FAQS/PCS initialization:

```
// SETPFIX LIMIT=4K    (required if under VM)
// EXEC CSIPKINT
// EXEC BIM$INIT,SIZE=256K
/*
* ISSUE SET SDL FOR BIM$CGSV if using BIM$CGRX in dynamic ptn
SET SDL
BIM$CGSV,SVA
/*
* START FTL
// EXEC GSFTL,SIZE=256K
RDL=CREATE
FAQS
RDL=END
/*
// EXEC $FAQSHC6
CACHE=1M,PRELOAD=1000
/*
* INITIALIZE GSFAQS
// EXEC GSFAQS,SIZE=256K
STARTUP FAQSASO
/*
* ISSUE SET SDL FOR $FAQSVM if using VMCF
SET SDL
$FAQSVM,SVA
/*
* STARTUP FAQS/PCS
// EXEC JCLXCU,SIZE=JCLXCU
 ENABLE,LOAD=N,LOG=Y,DSN=Y,DSNLOG=Y,EVENTS=8000
/*
```

The SETPFIX above is required only if you are running under VM and no ALLOCR
value is specified for the BG partition. The GSFTL and GSFAQS execution JCL
can be the same as you have currently.

The "STARTUP FAQSASO" command for GSFAQS indicates to load the default entries
that are distributed with the product, which we recommend for the initial start
up of BIM-FAQS/ASO. Once you have the system and the on-line active, we highly
recommend you create/use your own startup, message, and command members to match
your environment. The FAQSASO message, command, and startup members are
examples to get you started and to show some of the capabilities of automation.

The definitions you were using can be backed up and restored using the FAQSUTIL
utility program using the following process, or you could just back up and
restore the CA-GSS MON and VIO PDS files to new CSI MON and VIO PDS files before
installing BIM-GSS and BIM-FAQS 5.3A:

You would create the following job streams to back up and restore the
CA-FAQS/ASO "system" members. Each BACKUP request will create a file
with an ending tape mark, so you can backup one or more member types
on the same tape or disk area. Be sure to check the CA-FAQS/ASO User's
guide for proper JCL set up. Run the following using the VSE system
running CA-FAQS/ASO:

```
/* BACKUP CA-FAQS security user files
// EXEC FAQSUTIL,SIZE=FAQSUTIL
BACKUP PW
/*
```

```
 /* BACKUP CA-FAQS console PFkey files
 // EXEC FAQSUTIL,SIZE=FAQSUTIL
 BACKUP AOPFK
 /*
 /* BACKUP CA-FAQS console message definition files
 // EXEC FAQSUTIL,SIZE=FAQSUTIL
 BACKUP AOMSG
 /*
 /* BACKUP CA-FAQS console command definition files
 // EXEC FAQSUTIL,SIZE=FAQSUTIL
 BACKUP AOCMD
 /*
 /* BACKUP CA-FAQS GSFAQS start up files
 // EXEC FAQSUTIL,SIZE=FAQSUTIL
 BACKUP AOFST
 /*
 /* BACKUP CA-FAQS user terminal filter files
 // EXEC FAQSUTIL,SIZE=FAQSUTIL
 BACKUP AORTE
 /*
 /* BACKUP FAQS on-line command definition files
 // EXEC FAQSUTIL,SIZE=FAQSUTIL
 BACKUP AOFOC
 /*


 Then using the tape produced, you restore the file(s) in the same
 order using the VSE system running BIM-FAQS/ASO:

 /* RESTORE FAQS security user files
 // EXEC FAQSUTIL,SIZE=FAQSUTIL
 RESTORE PW
 /*
 /* RESTORE FAQS console PFkey files
 // EXEC FAQSUTIL,SIZE=FAQSUTIL
 RESTORE AOPFK
 /*
 /* RESTORE FAQS console message definition files
 // EXEC FAQSUTIL,SIZE=FAQSUTIL
 RESTORE AOMSG
 /*
 /* RESTORE FAQS console command definition files
 // EXEC FAQSUTIL,SIZE=FAQSUTIL
 RESTORE AOCMD
 /*
 /* RESTORE FAQS GSFAQS start up files
 // EXEC FAQSUTIL,SIZE=FAQSUTIL
 RESTORE AOFST
 /*
 /* RESTORE FAQS user terminal filter files
 // EXEC FAQSUTIL,SIZE=FAQSUTIL
 RESTORE AORTE
 /*
 /* RESTORE FAQS on-line command definition files
 // EXEC FAQSUTIL,SIZE=FAQSUTIL
 RESTORE AOFOC
 /*


 The above will move all CA-FAQS control members.  If you want to only
 backup/restore specific member names, change the parameter to include
 an equal followed by the name to process:

 BACKUP AOCMD=MYFILE

 and you would then restore with the same name included:
```

```
  RESTORE AOCMD=MYFILE
```

  If you want to backup/restore several members of the same type, use separate
  executions of FAQSUTIL as in the following:

```
  // EXEC FAQSUTIL,SIZE=FAQSUTIL
  BACKUP AOMSG=MYFILE1
  /*
  // EXEC FAQSUTIL,SIZE=FAQSUTIL
  BACKUP AOMSG=MYFILE2
  /*
```

  and then make sure the restore JCL is in the same order as shown above:

```
  // EXEC FAQSUTIL,SIZE=FAQSUTIL
  RESTORE AOMSG=MYFILE1
  /*
  // EXEC FAQSUTIL,SIZE=FAQSUTIL
  RESTORE AOMSG=MYFILE2
  /*
```

  If you need to move your own IMODS, you will need to backup the CA-GSS MON
  PDS file and restore it to the BIM-GSS MON PDS file BEFORE installing BIM-GSS
  and BIM-FAQS (ASO & PCS) 5.3A. You may need to compile these IMODs manually
  if any problems are encountered.

  You may have already defined your own GSFAQS startup, message, and command files
  for CA-FAQS/ASO configuration. These members should run fine with BIM-FAQS/ASO
  with only one possible exception. GSFAQS will not properly initialize if your
  CA-FAQS/ASO startup file does not have any partitions/classes selected in the
  "Eoj Console Summary" area. The solution is to simply update the startup file
  using the "GSFAQS Startup Definition" panel to update the member(s) in question.
  To do this, from the BIM-FAQS/ASO command line enter the AO I.G shortcut
  command, select the entries you need to update by placing an X next to them and
  pressing the enter key. This will take you to the GSFAQS Startup Definition
  panel, where you can simply press PF5 to fix the members. Once this is
  complete, you can IPL your system after changing the GSFAQS STARTUP command to
  use the member you wish.

  The main difference in the BIM-FAQS/ASO start up process is the addition of
  the execution of $FAQSHC6, which is the hard copy file cache. Here you will
  specify an amount of 31 bit SYSTEM GETVIS to be used to contain the most recent
  hard copy file messages. The archiving begins as soon as the $FAQSHC6 program
  is executed. You should base the allocation size on 8192 (8K) records per MEG.
  You can cache as many lines as you wish. You can also specify a PRELOAD value,
  which determines how many hard copy file records are pre-loaded into the cache
  area. This feature allows you to provide continuity between IPL's, and allow
  users to access hard copy file data without requiring the file to be read. You
  can PRELOAD up to 999,999 records, if you have a large enough cache area
  allocated (CACHE=nnnnK/M). The cache is wrap around, so once filled the oldest
  lines will be overlaid by new ones. The hard copy file cache feature makes hard
  copy file access and initial user logons very fast, and allows you to eliminate
  system overhead and DASD reads that would otherwise be required.

  Besides initialization with start up JCL, you will need to start the on-line
  interface(s) which are fully explained in the manuals. One thing that will be
  different is the requirement for FAQXCONS to be executed. FAQXCONS is actually
  the master console controller for BIM-FAQS/ASO. It is a single program (the CA
  version runs several programs under the covers) that handles any console, hard
  copy, and EXPLAIN access required. This single program will need to be run in
  a separate partition with very high priority (dynamic partition is ok). The

advantages of using a single program rather than multiple, and separating it out
of FAQSMAIN and FAQSAO control are as follows:

1) One single master FAQS console, which reduces system overhead.
2) FAQSMAIN can be any priority depending on response time versus
    overhead requirements.
3) You can run multiple FAQSMAIN partitions, spreading the workload
    out across multiple partitions, if you wish.

If you try to access any of the above functions when FAQXCONS is not running,
you will receive: GFO434E VSE CONSOLE ERROR, RC=FF.00 until FAQXCONS has been
started.

We recommend you run the batch and on-line partitions separately to provide the
best on-line performance. The on-line partition would contain within it the
following possible phases:

1) FAQSMAIN - BIM-FAQS/ASO on-line command processor
2) FAQSIUX - If under VM and using the IUCV on-line interface
3) FAQSVMX - If under VM and using the VMCF interface
4) BIM$TIDR - If using the CICS and/or VTAM/BTAM interfaces. This
              is the equivalent of DCMTDRIV and DCMOTDRV in CA-GSS

Of course each of the above phases may be run in a separate partition, but be
aware that does result in some XPCC overhead. If you decide to run them in the
same partition, you can use BIM$UTTS to handle this just like you did for
DCMTASK with CA:

// EXEC BIM$UTTS,SIZE=FAQSIUX,PARM='FAQSIUX#BIM$TIDR#FAQSMAIN'

if you are using the IUCV interface, FAQSIUX must be the main task, and so will
be the first in the parameter list and the value for SIZE=. This is an IBM
requirement for IUCV access. If not using IUCV or not under VM, the order of
parameters does not matter significantly, but be aware the main task is always
the lowest priority in any partition task list, and the last attached sub-task
is the highest priority. We recommend FAQSMAIN be the last entry in the list.

NOTE: If you plan to have on-line access to BIM-FAQS (ASO & PCS) and BIM-GSS
       via CICS, you must use BIM$TICI for your PCT and PPT definitions instead
       of DCMOCIXP as with CA-GSS. Check the BIM-GSS manuals for more
       information as well as the member BGCICSDF.txt in the FAQS53A folder.
       This member pertains to CICS/TS use, but you can also use it as a
       reference for CICS/VSE 2.3 definitions.

The batch partition would consist of the following possible phases:

1) JCLSCHED - The BIM-FAQS/PCS job scheduler (BIM-FAQS/PCS users)
2) FAQSAO   - The BIM-FAQS/ASO IMOD (REXX) processor
3) FAQSVSPO - The VTAM secondary operator for FAQSAO if you intend
              to use the VTAM() function within BIM-FAQS REXX IMODs.

In addition to the above programs, you may want to run BIM$CGRX, which is the
on-line REXX processor for the BIM-GSS and/or BIM-FAQS HTML interface, as well
as the cross partition REXX processor for batch, CICS, and Entree. See the
BIM-GSS 5.3A cover letter for more information. If you plan on running BIM$CGRX
in a dynamic partition, you will need the SET SDL entry for BIM$CGSV as provided
above.

NOTE: A conversion process is required to go from CA to BIM-FAQS/PCS. Consult
       the manuals and cover letters for BIM-FAQS/PCS for full details. Be
       aware that CA-FAQS/PCS 5.0 has changed the way the EVENT file is being

handled. This has made the conversion process more difficult than it
used to be. If you have your master EVENT file from prior to CA-FAQS/PCS
5.0, it is much easier to convert. If you have any questions, contact
CSI BIM-FAQS/PCS support.

  The other PDS files (VIO, MON, ARC, EVT, LOG) are created by the installation
process, and require a prefix of CSS$ instead of SYS$. This will separate any
CA-GSS PDS file access from CSI's BIM-GSS PDS access. We have found this is
necessary to prevent CA-GSS from causing chaining errors in our PDS files. Also
be sure the standard labels for CSS$xxx PDS files contain the full extent
information to avoid any problems with installation and utilization. Usually it
is not necessary to have the full extent data, but it does avoid possible errors
seen in the past.

  BIM-GSS and BIM-FAQS (ASO & PCS) 5.3A provide for interfacing to any CA (former
LEGENT/GOAL) products you have that have been upgraded to CA versions 5.0 and
above. If you wish to use these capabilities and you experience problems,
contact CSI BIM-GSS support.

  NOTE: When using BIM-GSS and BIM-FAQS (ASO & PCS) 5.3A to access CA products,
          you MUST make sure any old CA product codes for CA-FAQS/PCS have been
          removed and an IPL performed. Otherwise you will receive ABENDs in the
          BIM-GSS phase, BIM$PV31, when attempting access.

  BIM-GSS versus CA-GSS

  All names have been changed to BIM$xxxx from the CA-GSS names. This will affect
users with startup of the VTAM interface, CICS interface, BIM-CPR, and the batch
REXX processing. See the complete phase name change list below. Be sure to
read the manuals carefully to determine where these changes will affect you.
All names have changed, but the following list are the ones you are most likely
to encounter:

Old Name	New Name	Tranid	Description
GSSLUSRV	BIM$GMSR		GMF request server/processor
GSSLUTAB	BIM$GMPT		GMF product identification table
REXXBAT	BIM$RXBA		Batch REXX processing routine
DCMINST	BIM$UTIN		Product installation routine
DCMINSTV	BIM$UTIV		VSE version determination
DCMOCIXP	BIM$TICI	BCIN	Transaction interface routine
DCMPLT	BIM$UTCP		Attach subtasks from PLT or a CICS transaction
DCMTASK	BIM$UTTS		Subtask loading routine
DCMTDRIV	BIM$TIDR		Interface to VTAM , BTAM, CICS, and XPCC
FAQSCICE	BIM$CPEN	BCPE	BIM-CPR termination routine
FAQSCICI	BIM$CPIN	BCPI	BIM-CPR initialization routine
FAQSCICP	BIM$CPPR	BCPP	BIM-CPR print handling routine
FAQSCICQ	BIM$CPPS	BCPS	BIM-CPR screen print handling routine
FAQSCICT	BIM$CPSD	BCSD	BIM-CPR Dispatcher for Screen print transactions
FAQSCICW	BIM$CPPD	BCPD	BIM-CPR Dispatcher of print transactions
FAQSCIST	BIM$CPTA		BIM-CPR request dispatcher subtask
FAQTCIXT	BIM$CPEX		BIM-CPR CICS global user exit
GSPDSU	BIM$PUTL		PDS utility routine
GSPDSVAE	BIM$PV31		Main PDS request processor
GSPDSVAM	BIM$PV24		PDS 24-bit bridge to BIM$PV31
GSPRDLD	BIM$INIT		BIM-GSS Initialization and definition routine

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  We hope the above information will make your conversion process easier. For

full information on the 5.3A release check the various sections of our web site,
www.csi-international.com.

NOTE: With the 5.3A release, you can now download both products directly rather
        than wait for tapes. The ZIP files containing the products and install
        text files are in the Downloads and Documentation area of our web site,
        www.csi-international.com. The files are BGSS53A.zip and BFAQS53A.zip.
        Be sure to read the install text files for both products. If you still
        need tapes, contact your sales rep to get what you need. Be sure to read
        the readme and READTHIS text files, as well as the other documents in the
        BIM-FAQS/ASO 5.3A support area of our web site for information and
        reference.

If you have any questions, let us know by phone or via email at:
support@csi-international.com.

Welcome aboard!