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RRRRRRRR MM MM SSSSSSSS SSSSSSSS HH HH RRRRRRRR
RRRRRRRR MM MM SSSSSSSS SSSSSSSS HH HH RRRRRRRR
RR RR RR MMMM MMMM SS SS HH HH RR RR
RR RR RR MMMM MMMM SS SS HH HH RR RR
RR RR RR MM MM MM SS SS HH HH RR RR
RRRRRRRR MM MM SSSSSS SSSSSS HHHHHHHHHH RRRRRRRR
RRRRRRRR MM MM SSSSSS SSSSSS HHHHHHHHHH RRRRRRRR
RR RR MM MM SS SS HH HH RR RR
RR RR MM MM SS SS HH HH RR RR
RR RR MM MM SS SS HH HH RR RR
RR RR MM MM SSSSSSSS SSSSSSSS HH HH RR RR
RR RR MM MM SSSSSSSS SSSSSSSS HH HH RR RR

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SSSSSSSS DDDDDDDD LL
SSSSSSSS DDDDDDDD LL
SS DD DD LL
SS DD DD LL
SS DD DD LL
SS SSSSSS DD DD LL
SS SSSSSS DD DD LL
SS DD DD LL
SS DD DD LL
SS DD DD LL
SSSSSSSS DDDDDDDD LLLLLLLLLL
SSSSSSSS DDDDDDDD LLLLLLLLLL

```

```
{      $begin  rmsshr,V04-000
{
{*****
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/\*

## rms shared file structure definitions

## Modified By:

V03-009 SHZ0005 Stephen H. Zalewski 05-Aug-1983  
Add a one byte flag field to GBSB.

V03-008 SHZ0004 Stephen H. Zalewski 28-Jun-1983  
Change size of RMS facility code in SFSB.

V03-007 KBT0489 Keith B. Thompson 9-Feb-1983  
Add FAB and SHR field to sfsb

V03-006 KBT0325 Keith B. Thompson 10-Sep-1982  
Remove all SO sharing structure definitions

V03-005 SHZ0003 Stephen H. Zalewski, 12-Aug-1982 14:09  
Added further definitions to GBSB.

V03-004 SHZ0002 Stephen H. Zalewski, 11-Aug-1982 21:10  
Changed name of \$GLB to \$GBSB.

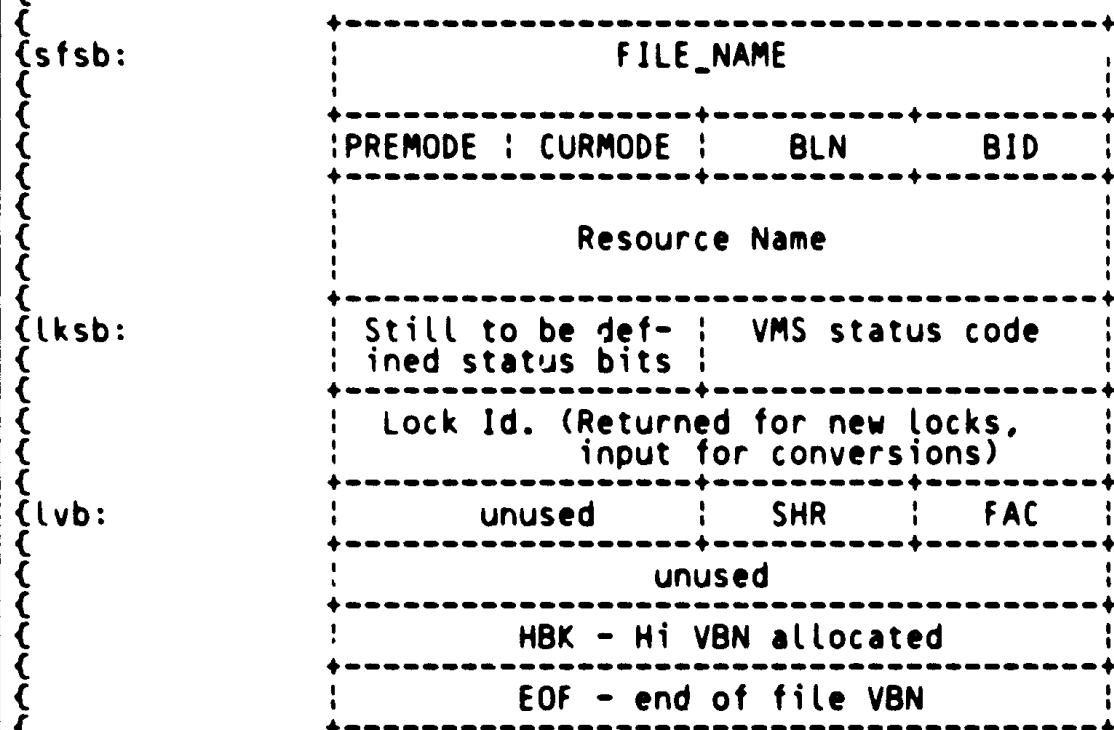
V03-003 SHZ0001 Stephen H. Zalewski 10-Aug-1982  
Add GLB definitions.

V03-002 KBT0081 Keith B. Thompson 12-Jul-1982  
Add b\_curlck, l\_ebk and l\_hbk to the sfsb. Also fix  
revision number in jwh000T

V03-001 JWH0001 Jeffrey W. Horn 24-Mar-1982  
Change SIFB to reflect journaling changes to the IFB.

SFSB field definitions - shared file synchronization block

The SFSB contains the information necessary to lock a file for RMS synchronization via the VAX/VMS Lock Manager.



module \$SFSBDEF;

aggregate SFSBDEF structure fill prefix SFSB\$;

FILENAME OVERLAY union fill;  
 FILENAME quadword unsigned;

/\* descriptor of shared file resource name.  
 /\* resource name is NODE, DEVICE, FILE\_ID  
 /\* points to RESNAM, below

FILENAME\_FIELDS structure fill;  
 NAME\_LEN word unsigned;  
 FILL\_3 byte dimension 2 fill prefix SFSBDEF tag \$\$;  
 'ADDRESS' longword unsigned;  
 end FILENAME\_FIELDS;

/\* subfield to address descriptor length field  
 tag \$\$;  
 /\* subfield to address descriptor address field

end FILENAME\_OVERLAY;  
 BID byte unsigned;  
 constant BID equals 16 prefix SFSB tag \$C;  
 BLN byte unsigned;  
 CURMODE byte unsigned;  
 PREMODE byte unsigned;

/\* block id  
 /\* sfsb code  
 /\* block length in longwords  
 /\* Mode of the current lock  
 /\* Mode of the previous lock

RESNAM OVERLAY union fill;  
 RESNAM character length 32;  
 RESNAM\_FIELDS structure fill;  
 FAC\_CODE longword unsigned;  
 FID\_NUM word unsigned;

/\* 32 bytes for name of shared resource  
 /\* RMS facility code (RMSS)  
 /\* file id word one

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        FID_SEQ word unsigned;          /* file id word two
        FID_RVN word unsigned;         /* file id word three
        constant FIX_LEN equals 10 prefix SFSB tag $C; /* 10 bytes of fixed size data
        DEV_NAM character length 22;   /* 22 bytes remain to hold device id (node$device_name)
    end RESNAM_FIELDS;
end RESNAM_OVERLAY;
LKSB_OVERLAY union fill;
    LKSB longword unsigned;           /* lock status block
    LKSB_FIELDS structure fill;
        STATUS word unsigned;        /* VMS status code
        S_BITS word unsigned;        /* various status bits
    end LKSB_FIELDS;
end LKSB_OVERLAY;
LOCK_ID longword unsigned;           /* second longword of LKSB is the lock id
LVB_OVERLAY union fill;
    LVB longword unsigned dimension 4; /* lock value block
    constant BLN equals . prefix SFSB$ tag K; /* length of sfsb
    constant BLN equals . prefix SFSB$ tag C; /* length of sfsb
/*
/* keep the next two fields in same order as they are in FAB
/*
    LVB_FIELDS structure fill;
        FAC byte unsigned;           /* fac bits from FAB
        SHR byte unsigned;           /* sharing bits (from FAB SHR field)
        FILL_1 word fill prefix SFSBDEF tag $$; /* spare
        FILL_2 longword fill prefix SFSBDEF tag $$; /* spare
        HBK longword unsigned;       /* high block
        EBK longword unsigned;       /* end of file
    end LVB_FIELDS;
end LVB_OVERLAY;
end SFSBDEF;

end_module $$SFSBDEF;

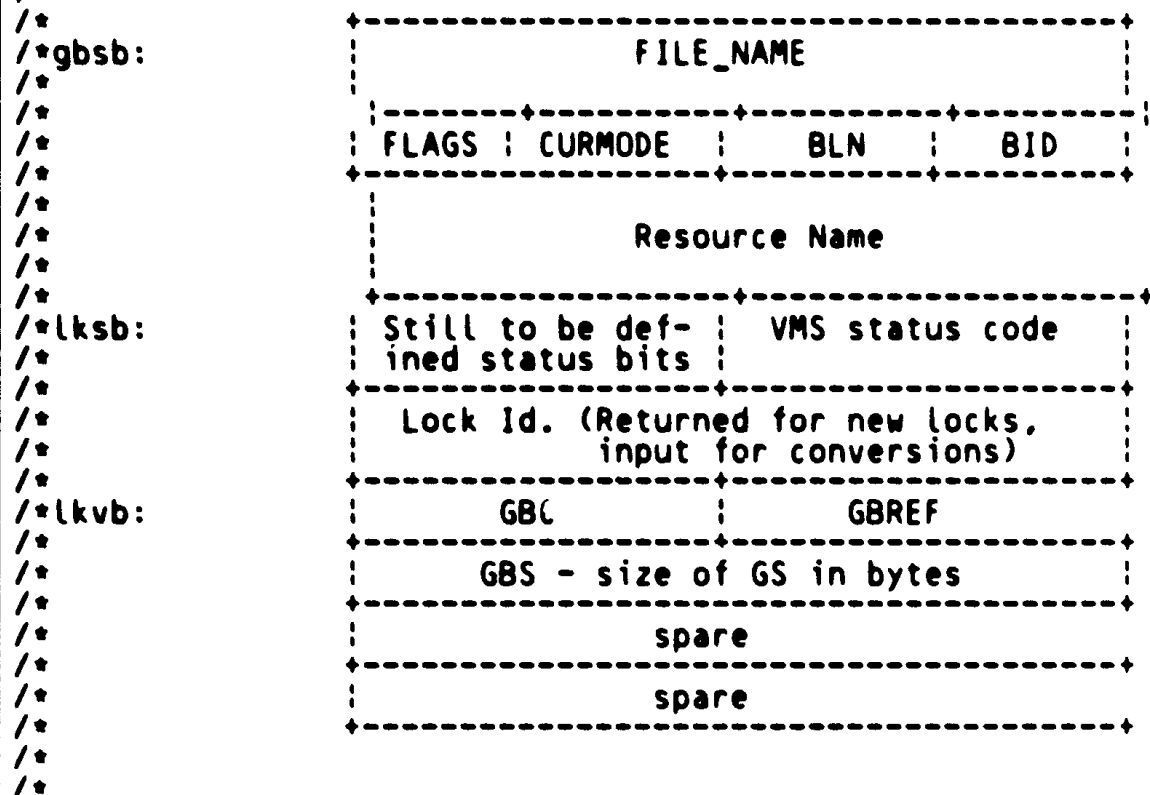
module $GBSBDEF;

```

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/*
/*  GBSB field definitions - global buffer synchronization block
/*
/*  The GBSB contains the information necessary to determine if a
/*  global section is already open for a file on a given node, and
/*  is used for synchronizing access to the global section.
/*

```



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aggregate GBSBDEF structure fill prefix GBSB$:
  FILENAME OVERLAY union fill;
    FILENAME quadword unsigned; /* descriptor of shared file resource name.
    /* resource name is NODE, DEVICE, FILE_ID
    /* points to RESNAM, below
    FILENAME_FIELDS structure fill;
      NAME_LEN word unsigned; /* subfield to address descriptor length field
      FILL_3 byte dimension 2 fill prefix GBSBDEF tag $$;
      'ADDRESS' longword unsigned; /* subfield to address descriptor address field
    end FILENAME_FIELDS;
  end FILENAME_OVERLAY;
  BID byte unsigned; /* block id
  constant BID equals 9 prefix GBSB tag $C; /* gbsb code
  BLN byte unsigned; /* block length in longwords
  CURMODE byte unsigned; /* Mode of the current lock
  FLAGS OVERLAY union fill;
    FLAGS byte unsigned; /* spare
    FLAGS_BITS structure fill;
      NOTACCESSED bitfield mask; /* Process has already decremeted access count for GBS.
    end FLAGS_BITS;
  end FLAGS_OVERLAY;

```

end  
end

```

RESNAM character length 32; /* 32 bytes for name of shared resource
LKSB_OVERLAY union fill; /*
  LKSB longword unsigned; /* lock status block
  LKSB_FIELDS structure fill; /*
    STATUS word unsigned; /* VMS status code
    S BITS word unsigned; /* various status bits
  end LKSB_FIELDS;
end LKSB_OVERLAY;
LOCK_ID longword unsigned; /* second longword of LKSB is the lock id
GBC word unsigned; /* Number of global buffers in section.
GBREF word unsigned; /* Number of accessors to global section.
GS_SIZE longword unsigned; /* Size of global section in bytes.
FICL_1 longword fill prefix GBSBDEF tag $$; /* spare
FILL_ longword fill prefix GBSBDEF tag $$; /* spare
constant BLN equals . prefix GBSB$ tag K; /* length of gbsb
constant BLN equals . prefix GBSB$ tag C; /* length of gbsb
end GBSBDEF;
end_module $GBSBDEF;

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mod
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/*
/*
agg
/*+
/*
/*
/*-

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/*+
/*

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A grid of 10 columns and 10 rows of small, faint text blocks, likely representing a directory or index of files. The text is mostly illegible due to low contrast and small size. Some larger, more legible text fragments are visible, including:

- RMSFILSTR  
SDL
- RMSINTSTR  
SDL
- RMSUSR  
SDL
- RMSMAC  
REQ
- NWADEF  
MDL
- RMSFWADEF  
SDL
- RMSSH  
SDL