Specifications of the sub-module “Check\_DC\_DC()”

* If the channel number (chno) is less than 96, and if

survstatbuf[0] to survstatbuf[11] is 0, then the flag “MainDC\_DC” should be 0, otherwise it should be 1.

* If the channel number (chno) is less than 96, and if

survstatbuf2[0] to survstatbuf2[11] is 0, then the flag “StdbyDC\_DC” should be 0, otherwise it should be 1.

* If the channel number (chno) is greater than or equal to 96, and if

survstatbuf[12] to survstatbuf[15] is 0, then the flag “MainDC\_DC” should be 0, otherwise it should be 1.

* If the channel number (chno) is greater than or equal to 96, and if

survstatbuf2[12] to survstatbuf[15] is 0, then the flag “StdbyDC\_DC” should be 0, otherwise it should be 1.

void check\_DC\_DC(int dip)

{

unsigned char zero\_array[16];

bzero(zero\_array,16);

if(dip<96)//non-telemetry dip

{

if(memcmp(zero\_array,survstatbuf,12)==0)

MainDC\_DC=false;

else

MainDC\_DC=true;

if(memcmp(zero\_array,survstatbuf2,12)==0)

StdbyDC\_DC=false;

else

StdbyDC\_DC=true;

}

else

{

if(memcmp(&zero\_array[12],&survstatbuf[12],4)==0)

MainDC\_DC=false;

else

MainDC\_DC=true;

if(memcmp(&zero\_array[12],&survstatbuf2[12],4)==0)

StdbyDC\_DC=false;

else

StdbyDC\_DC=true;

}

return;

}