#!/bin/ksh

#--------------------------------------------------------------------------------

# TITLE : aedc\_PercntOutFeederLoading.ksh

# PURPOSE : Create Feeders & Subfeeders Daily Percntage Load Report

# call formated input file ${FlName}

# GROUP : SCC

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#--------------------------------------------------------------------------

. /aedc/etc/work/aedc/SCC/aedc\_SCC\_functions

IGNORE="@M-DP12.CTA8<HAVG@ -e @P:E-SS3.CTA31<HAVG@ -e @E-DP13.TOTAL\_AMP<HAVG"

read ans?"Would U like update /aedc/cnf/scc/Feeder\_CTs y/[N] : "

case $ans in

y|Y) creat\_Feeder\_CTs.ksh ;;

\*)echo "Keep Old /aedc/cnf/scc/Feeder\_CTs ...."

esac

SCCTMP=/aedc/tmp/scc/FD\_Ld

if [ ! -d ${SCCTMP} ]

then

mkdir ${SCCTMP}

fi

rm -f /aedc/tmp/scc/FD\_Ld/\*

IN\_DIR=/home/sis/REPORTS/Wednesday\_OUTSS\_max\_value

cp /dev/null $SCCTMP/PercntOut1

need=[A-Z]

es\_lim=""

clear

cp /dev/null ${SCCTMP}/reject

echo "

Cable/Feeder

Exceeded Limits Report

===================================

"

var\_mktime `date +%Y/%m/%d` "%Y/%m/%d"|read to\_day

var\_asctime `expr $to\_day - 86400` "%Y/%m/%d"|read best\_day

read day?" Report Day [ $best\_day ] >> "

if [ -z "$day" ]

then

day=$best\_day

fi

read typ?" Out { SS ]Or Out [ DP ] (<CR> for all) : "

if [[ -z "$typ" ]]

then

typ="DP -e [-]SS"

type=""

elif [[ "$typ" != "SS" && "$typ" != "DP" ]]

then

echo "Wrong Entry "

exit

else

type=$typ

fi

echo $day | awk 'FS="/",OFS="\_"{print $1,$2"/"$1,$2,$3".ld.Z"}' | read FlName1

echo $FlName1

FlName=${IN\_DIR}/${FlName1}

read ex?"Exceeded limits Reports < [Y]/N > : "

echo "(${ex})"

if [[ -z "$ex" || "$ex" = "Y" || "$ex" = "y" ]]

then

ex="y"

exceed="( Exceeded Limits Report )"

echo " Chose your threshold limit :

1) operating limit .... [lim\_fac=1]

2) long term emergency(LTE) .... [lim\_fac=0.9]

3) short term emergency(STE) .... [lim\_fac=0.9\*0.7]

4) chose estimated constant limit

5) chose factor of operating limit

"

read cho?"Enter your choice (<CR> for operating limit) >> "

if [[ -z "$cho" ]]

then

cho=1

fi

case $cho in

1)

lim\_fac=1

lim\_tit="Operat "

es\_fac=1

;;

2)

lim\_fac=0.9

lim\_tit="Hi\_Long "

es\_fac=1

;;

3)

lim\_fac=0.63 # 0.9\*0.7=0.63 #

lim\_tit="Hi\_Short"

es\_fac=1

;;

4)

lim\_fac=1

read es\_lim?"Enter estimated limit (<CR> for 1000) >> "

if [[ -z "$es\_lim" ]]

then

es\_lim=1000

es\_fac=1

fi

lim\_tit="$es\_lim AMP"

;;

5)

lim\_fac=1

read es\_fact?"Enter estimated factor of operating limit (<CR> for 0.8) >> "

if [[ -z "$es\_fac" ]]

then

es\_fac=0.8

fi

lim\_tit="${es\_fac} of Operat "

;;

esac

grep -v -e "^!" -e "^$" /aedc/cnf/scc/lim\_set\_cable\_type | awk '{printf("s/@%s@/@%s@%d@/;",$2,$2,$3\*0.63)}'|

sed 's/;$//' | read sed\_var

echo "Ignoring ... ${IGNORE}..... "|sed 's/@/ /g;s/-e/&/g'

echo

if [[ -z "$es\_lim" ]]

then

zcat $FlName | grep -v -e "^$" -e "SPARE" -e "AUX[.]" -e "CAPACITOR" -e "I\_SS" -e TR[1-7] | grep -e [-]${typ} |

sed "s/^/$lim\_fac@/" | sed "$sed\_var" |

awk -v est\_fact="${es\_fac}" 'FS="@"{ if ($5\*$1>($9\*est\_fact)) {print $0}}' > $SCCTMP/infile

else

zcat $FlName | grep -v -e "^$" -e "SPARE" -e "AUX[.]" -e "CAPACITOR" -e "I\_SS" -e TR[1-7] | grep -e [-]${typ} |

sed "s/^/${es\_lim}@/" | awk 'FS="@"{ if ($5>$1) {print $0}}' > $SCCTMP/infile

fi

else

ex="n"

exceed=""

lim\_fac=1

zcat $FlName| grep -v -e "^$" -e "SPARE" -e "AUX[.]" -e "CAPACITOR" -e "I\_SS" -e TR[1-7] | grep -e [-]${typ} |

sed "s/^/@/" | awk 'FS="@"{print $0}' > $SCCTMP/infile

fi

cat $SCCTMP/infile|grep -v -e ${IGNORE} | while read line

do

echo "$line" | awk 'FS="@",OFS="\n"{print $7,$5,$6,$8,$9}' |

{ read desc ; read val ; read CT ; read ca\_type ; read lim ; }

#echo ${CT}

if [[ ! -z `grep -w "${CT}" /aedc/cnf/scc/Feeder\_CTs` ]]

then

grep -w "${CT}" /aedc/cnf/scc/Feeder\_CTs|

sed "s/${CT} /${CT}@/"|awk 'FS="@"{printf("%s\n",$2)}'|awk 'OFS="\n"{print $1,$2}' |

awk 'OFS="\n"{print $1,$2}' |grep CT>>${SCCTMP}/reject

grep -w "${CT}" /aedc/cnf/scc/Feeder\_CTs|sed "s/${CT} /${CT}@/"|grep SS|awk 'FS="@"{print $1}'|

awk '{print $2}'|grep CT>>${SCCTMP}/reject

fi

echo "$line" |sed 's/P://'|awk '{print substr($0,index($0,":")-2,5)}' | read tm

echo ${CT} | cut -d"." -f1 | read ss

echo $CT | cut -d".CT" -f2 | sed 's/CTA//;s/CTK//'| read key

if [ -z "$ca\_type" ]

then

ca\_type="\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"

fi

desc=`echo $desc | sed 's/CT AMPS //;s/CT //;s/AMP //'`

if [[ -z "$es\_lim" ]]

then

echo "$val $lim $lim\_fac" | awk '{printf("%d\n%d\n%d\n",$1\*$3/$2\*100,$1,$2/$3)}' |

{ read perc ; read val ; read lim ; }

else

echo "$val $es\_lim" | awk '{printf("%d\n%d\n%d\n",$1/$2\*100,$1,$2)}' |

{ read perc ; read val ; read lim ; }

fi

if [ ${perc} -ge 100 ]

then

# echo "${ss}+${key}) ${desc}@${ca\_type}@${lim}@${val}@(${perc}%)@${tm}@${CT}@"

echo "${ss}+${key}) ${desc}@${ca\_type}@${lim}@${val}@(${perc}%)@${tm}@${CT}@" |

awk 'FS="@"{printf("%-35s%-15s %5d %5d %8s%8s %s\n",$1,$2,$3,$4,$5,$6 ,$7)}'|

sed 's/+/@/'|

grep ${need}|tee -a $SCCTMP/PercntOut1

else

echo "${ss}+${key}) ${desc}@${ca\_type}@${lim}@${val}@${perc}%@${tm}" |

awk 'FS="@"{printf("%-35s%-15s %5d %5d %8s%8s %s\n",$1,$2,$3,$4,$5,$6 ,$7)}'|

sed 's/+/@/'|

grep ${need}|tee -a $SCCTMP/PercntOut1

fi

done

var\_asctime `var\_mktime $day "%Y/%m/%d"` "%A %d/%m/%Y"|read day1

sort -u $SCCTMP/PercntOut1 >$SCCTMP/PercntOut3

cat ${SCCTMP}/reject|while read ln

do

#echo "${ln}"|awk 'OFS=" -e "{print $2"\$" ,$3"\$"}'|sed "s/-e \\$//"|read rej

grep -v "${ln}$" $SCCTMP/PercntOut3>$SCCTMP/PercntOut4

mv $SCCTMP/PercntOut4 $SCCTMP/PercntOut3

done

awk '{print substr($0,1,80)}' $SCCTMP/PercntOut3 >$SCCTMP/PercntOut1

if [ -s ${SCCTMP}/PercntOut1 ]

then

echo "

$type Outgoing feeders Max. Load

$exceed

$day1

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Feeder Name Cable Operat Max %ld At

cell # Type Limit AMP hh:mm

======================= ============= ====== ===== ======= ==== " > $SCCTMP/PercntOut2

awk 'FS="@"{print $1}' $SCCTMP/PercntOut1 | sort -u | grep -v "^$" | while read ss

do

if [[ -z `echo ${ss} |grep SS` ]]

then

tit=" DP."

else

tit=" S/S"

fi

echo "\n$ss $tit\n-----------------" >> $SCCTMP/PercntOut2

grep "${ss}@" $SCCTMP/PercntOut1 | sed "s/${ss}@//" >> $SCCTMP/PercntOut2

done

dcc\_ss\_replace -i $SCCTMP/PercntOut2 |tee $SCCTMP/PercntOut

else

echo "

###################################################################

>>>> No $exceed <<<<

for Outging feeders

$day1

#################################################################### "|tee $SCCTMP/PercntOut

fi

echo

\_PRT $SCCTMP/PercntOut