```fortran
SUBROUTINE UserVSCont ( HSS_Spd, GBRatio, NumBl, ZTime, DT, GenEff, DelGenTrq, &
DirRoot, GenTrq, ElecPwr )

   ! This torque control routine was written by Eric Anderson of UC Davis. The torque
control scheme
   ! is based on the controller described in the NREL 5MW specifications, with the
addition of a
   ! derating scheme described in Eric's dissertation. Derating is achieved by using
subroutine
   ! ControlParameters() to scale relevant control parameters. WARNING: This routine
does not include the
   ! logic required to run linearizations.


USE                                precision
USE                                Output
USE                                EAControl   ! contains variables: TimeDRStart,
TimeDREnd, DerateFactor, TEmShutdown, maxOverspeed, EmergencyShutdown, GenSpeedF,
PC_RefSpd, PC_MinPit, VS_Rgn2_K, and VS_RtPwr. See EAControl module in FAST_Mods.f90
for variable descriptions.
```