Implementing special re-entry inputs for UMDs

Re-entry inputs with respect to UMDs can be declared in order to stop a UMD trace through certain special re-entry inputs of a broadcast signal system.

This allows the name of the re-entered input to appear as an originating source in a UMD, rather than being ignored in favor of a more-upstream signal source that is feeding that input.
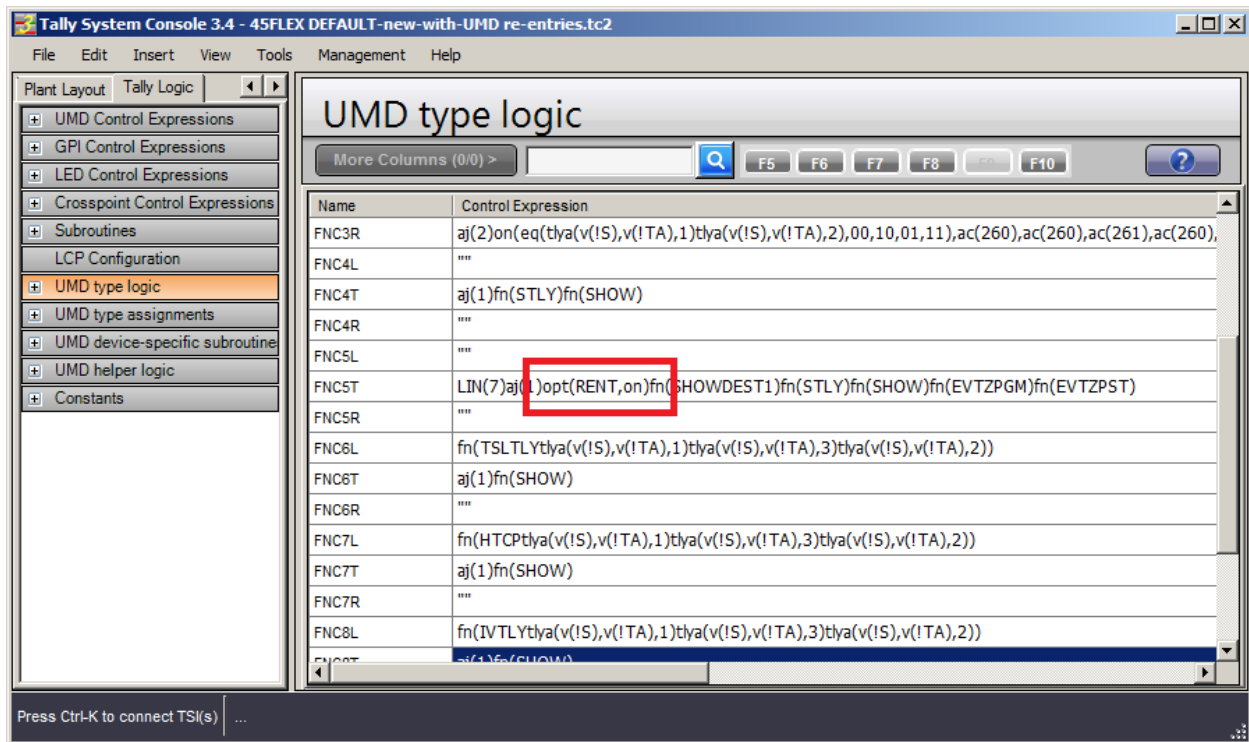
Two steps are required:

1. Turn on an option so that UMD trace logic recognizes the concept of reentry inputs.
2. Declare which signal inputs are considered to be the "re-entries" at which signal traces must be halted within a UMD.

Turning on the UMD re-entry logic

Near the beginning of the UMD control expression insert the following function:

opt(RENT,on)

EXAMPLE:

The option expression could also be added in the monitoring styles:

Style Name	Control Expression
>> 1-1-5	<%DT> Device type name as defined in StatusDevices.dev file in Tally System Console 2 installation folder
Source	sv(!TA,<%TA>)sv(!TT1,<%TA.PGM>)sv(!TT2,<%TA.PST>)sv(!S,"<P1>")sv(!DT,<%DT>)sv(!FMT,FMTA)fn(<%DT>SRC)
Source Long	sv(!TA,<%TA>)sv(!TT1,<%TA.PGM>)sv(!TT2,<%TA.PST>)sv(!S,"<P1>")sv(!DT,<%DT>)sv(!FMT,FMTL)fn(<%DT>SRC)
Source Short	sv(!TA,<%TA>)sv(!TT1,<%TA.PGM>)sv(!TT2,<%TA.PST>)sv(!S,"<P1>")sv(!DT,<%DT>)sv(!FMT,FMTS)fn(<%DT>SRC)
Destination	sv(!TA,<%TA>)sv(!TT1,<%TA.PGM>)sv(!TT2,<%TA.PST>)sv(!D,"<P1>")sv(!DT,<%DT>)sv(!S,src(v(!D)))sv(!FMT,FMTA)fn(<%DT>SRC)
Destination Long	sv(!TA,<%TA>)sv(!TT1,<%TA.PGM>)sv(!TT2,<%TA.PST>)sv(!D,"<P1>")sv(!DT,<%DT>)sv(!S,src(v(!D)))sv(!FMT,FMTL)fn(<%DT>SRC)
Destination Short	sv(!TA,<%TA>)sv(!TT1,<%TA.PGM>)sv(!TT2,<%TA.PST>)sv(!D,"<P1>")sv(!DT,<%DT>)sv(!S,src(v(!D)))sv(!FMT,FMTS)fn(<%DT>SRC)
Dest:Source	sv(!TA,<%TA>)sv(!TT1,<%TA.PGM>)sv(!TT2,<%TA.PST>)sv(!D,"<P1>")sv(!DT,<%DT>)sv(!FMT,FMTA)opt(RENT,on)fn(<%DT>D:S)
Dest:Source Long	sv(!TA,<%TA>)sv(!TT1,<%TA.PGM>)sv(!TT2,<%TA.PST>)sv(!D,"<P1>")sv(!DT,<%DT>)sv(!FMT,FMTL)fn(<%DT>D:S)
Dest:Source Short	sv(!TA,<%TA>)sv(!TT1,<%TA.PGM>)sv(!TT2,<%TA.PST>)sv(!D,"<P1>")sv(!DT,<%DT>)sv(!FMT,FMTS)fn(<%DT>D:S)
Multiple Routed Inputs	sv(!TA,<%TA>)sv(!TT1,<%TA.PGM>)sv(!TT2,<%TA.PST>)sv(!TT3,<%TA.PGM2>)sv(!S,"<P1>")sv(!S2,"<P2>")sv(!S3,"<P3>")sv(!S4,"<P4>"
Routed Input	sv(!TA,<%TA>)sv(!TT1,<%TA.PGM>)sv(!TT2,<%TA.PST>)sv(!S,"<P1>")sv(!DT,<%DT>)sv(!D,od(v(!S)))sv(!FMT,FMTS)fn(<%DT>RIP)
Routed Input Long	sv(!TA,<%TA>)sv(!TT1,<%TA.PGM>)sv(!TT2,<%TA.PST>)sv(!S,"<P1>")sv(!DT,<%DT>)sv(!D,od(v(!S)))sv(!FMT,FMTL)fn(<%DT>RIP)
Routed Input Short	sv(!TA,<%TA>)sv(!TT1,<%TA.PGM>)sv(!TT2,<%TA.PST>)sv(!S,"<P1>")sv(!DT,<%DT>)sv(!D,od(v(!S)))sv(!FMT,FMTS)fn(<%DT>RIP)
Dest:Routed Input	sv(!TA,<%TA>)sv(!TT1,<%TA.PGM>)sv(!TT2,<%TA.PST>)sv(!S,"<P1>")sv(!DT,<%DT>)sv(!D,od(v(!S)))sv(!FMT,FMTS)fn(<%DT>RIL)
Dest:Routed Input Long	sv(!TA,<%TA>)sv(!TT1,<%TA.PGM>)sv(!TT2,<%TA.PST>)sv(!S,"<P1>")sv(!DT,<%DT>)sv(!D,od(v(!S)))sv(!FMT,FMTL)fn(<%DT>RIL)
Dest:Routed Input Sh...	sv(!TA,<%TA>)sv(!TT1,<%TA.PGM>)sv(!TT2,<%TA.PST>)sv(!S,"<P1>")sv(!DT,<%DT>)sv(!D,od(v(!S)))sv(!FMT,FMTS)fn(<%DT>RIL)
Routed Multiviewer	sv(!TA,<%TA>)sv(!TT1,<%TA.PGM>)sv(!TT2,<%TA.PST>)sv(!D,"<P1>")sv(!S,xpt(v(!D)))sv(!FMT,FMTA)sv(!ID,id())sv(!ID,"")sv(!FXN,UMFv(!ID

Declaring Re-entry Inputs