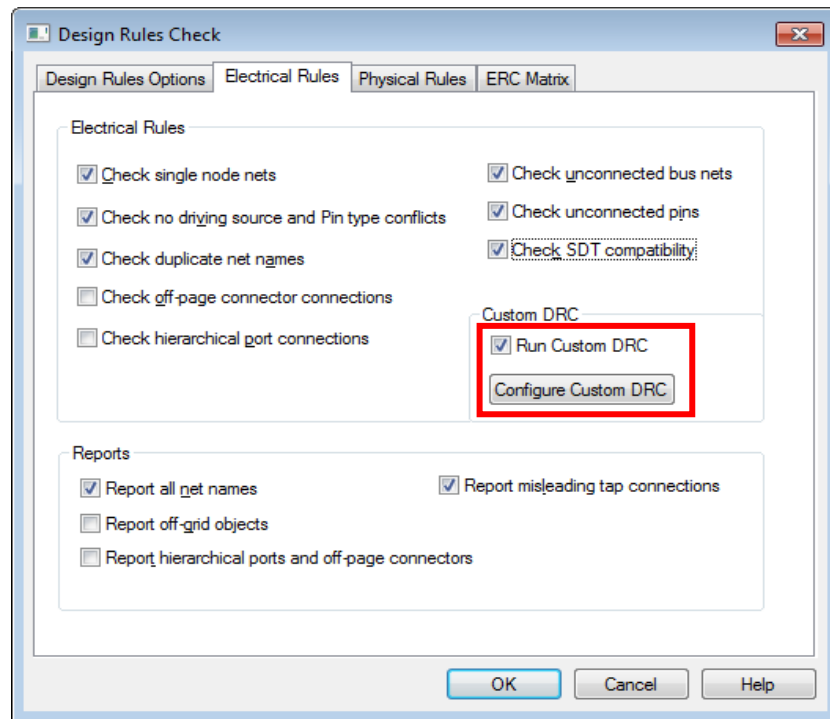
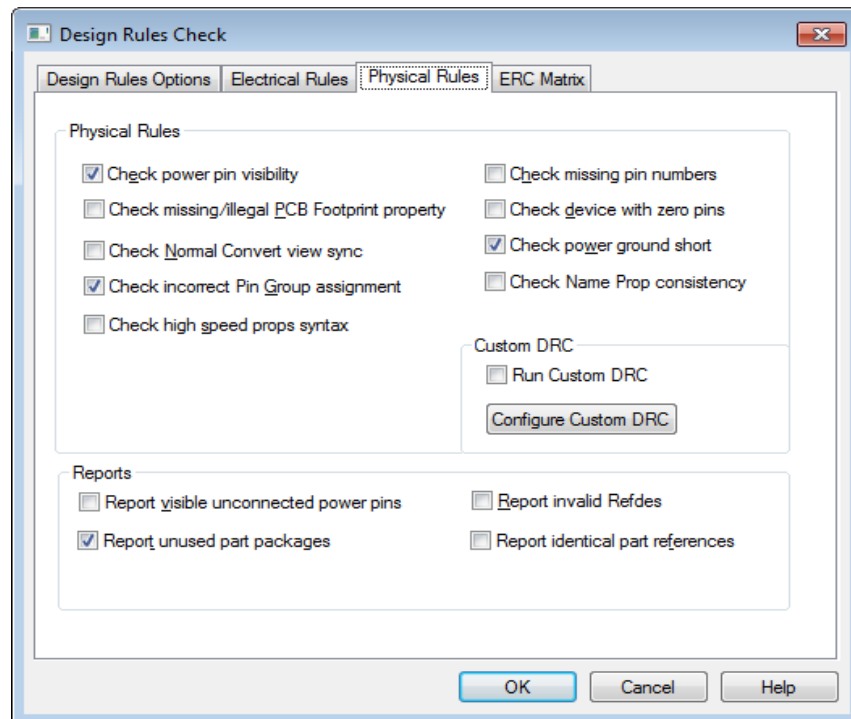


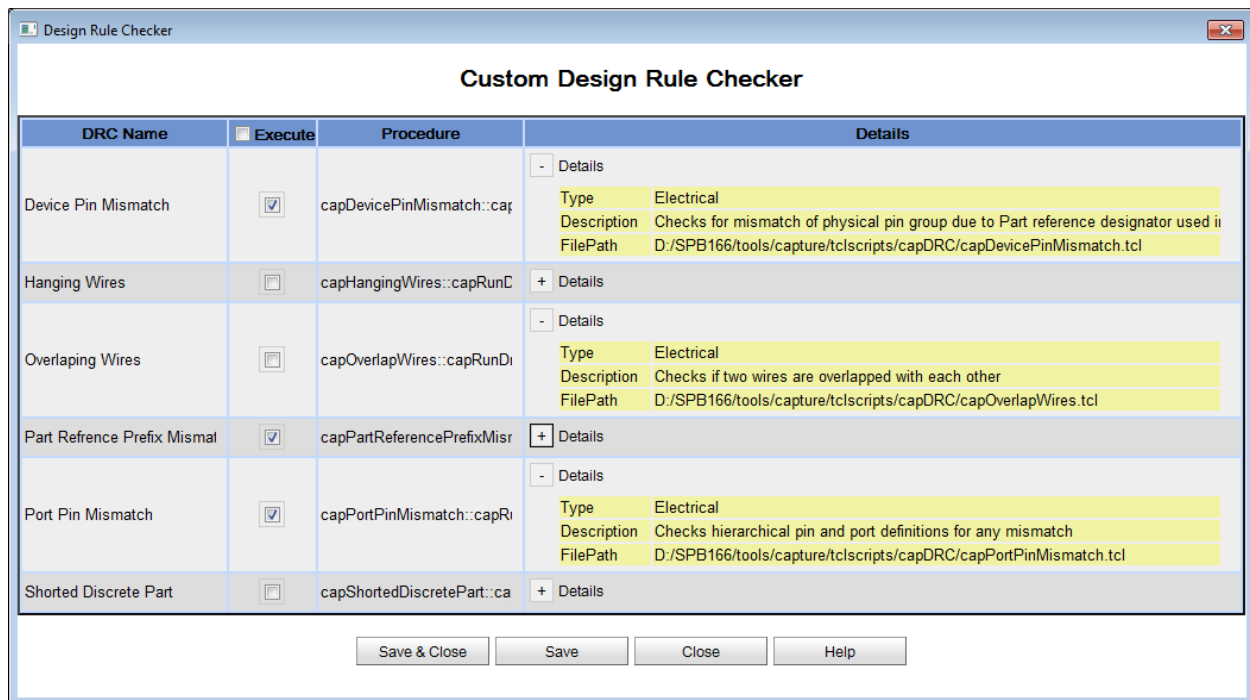
Custom DRC

“Custom DRC” functionality is a TCL enabled DRC which allows user to add their own DRC’s.



User can click “Run Custom DRC” checkbox to enable Custom DRC’s. User can also configure the DRC’s to be executed through “Configure Custom DRC” Button.





User Selects the DRC's to be executed. Once Configured Configurations are saved in INI file which are honored every time user runs Custom DRC .

Steps to Add new DRC

Create a TCL File and corresponding entry in pkgIndex.tcl in any folder under tclscripts.

Add the Following Methods in the tcl file with any desired namespace and modify according to the DRC.

```

proc ::<NAMESPACE>::<METHOD1>{ args } {
    set IScope [lindex $args 0 0]
    set IMode [lindex $args 0 1]
    set ICreateDrcMarkers [lindex $args 0 2]
    set ILogFilePath [lindex $args 0 3]
    capCustomDRC::capSetCreateMarker $ICreateDrcMarkers

    set IMessage "\ Running <NAMESPACE>::<METHOD1> \n\n"
    # Setting the Variables for logging
    capCustomDRC::capSetLogFilePath $ILogFilePath
    capCustomDRC::capCustomDrcLog $IMessage

    capProcessDRC::capProcessSelection "<NAMESPACE>" $IScope $IMode
}

```

```

proc ::<NAMESPACE>::<METHOD2 >{} {
    return true
}

proc ::<NAMESPACE>::<METHOD3>{} {
    package require orPrmWebComp
    set IDrcName "<DRC NAME as any text string>"
    set IProc " <NAMESPACE>::<METHOD1>"
    set IIsExecute [capCustomDRC::capCustomElectricalDrcFindExecutableStatus $IProc]
    set IOptional [DboTclHelper_sMakeStdVector]
    DboTclHelper_sPushBackToVector $IOptional "Type"
    DboTclHelper_sPushBackToVector $IOptional "Electrical" #valid values = Electrical/Physical
    DboTclHelper_sPushBackToVector $IOptional "Description"
    DboTclHelper_sPushBackToVector $IOptional "<Any Description>"
    DboTclHelper_sPushBackToVector $IOptional "FilePath"
    set IFilePath [file join $::capShortedDiscretePart::scriptDir <TCL_FILE_NAME>]
    DboTclHelper_sPushBackToVector $IOptional $IFilePath
    set IReturn [CapCustomDRCElectricalAddItem $IDrcName $IIsExecute $IProc $IOptional]
}

```

Add below line in tcl file and modify according to DRC:

```

RegisterAction "_cdnCapCustomDRCElectricalAddItem" "::<NAMESPACE>::<METHOD2>" ""
"::<NAMESPACE>::<METHOD3>" ""
# RegisterAction "_cdnCapCustomDRCPhysicalAddItem" "::<NAMESPACE>::<METHOD2>" ""
"::<NAMESPACE>::<METHOD3>" "" #for Physical DRC's

```

Now Define functions according to your requirements which are called from “capProcessDRC.tcl”. These functions are called in catch statements, so rest undefined functions will be ignored. For Ex:

```

#proc ::<NAMESPACE>::capProcess<ObjectType> { pObject } { # e.g.

```

```

proc ::capHangingWires::capProcessWire { pWire } {
    set IsearchIndex [Isearch $::capHangingWires::WireList $pWire]
    if { $IsearchIndex == -1 } {
        capHangingWires::capProcessWireObtained $pWire
        lappend ::capHangingWires::WireList $pWire
    }
}

```

Add an init file in capAutoLoad folder with the following content.

```

if { [catch {package require <NAMESPACE>}] } {
} else {
}

```