ExcelSteps SwapModels Code Plan

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| Major Action (aka “Procedure”) | Sub-Actions (aka function) | Atts populated or modified | Code Notes |
| mdlScenario Class |  |  |  |
| SwapModels | * Provision mdl and tblImport * PrepSteps * **TblImportDeleteModel** previous mdl from tblImport (Shouldn’t be there) * TransferToTblImport mdl 🡪 tblImport * StepsDeleteMdl and mdl.ClearModel * TransferToMdl tblImport 🡪 mdl * **TblImportDeleteModel** |  | Master procedure to swap tblImport rows/cols model into Scenario Model and previous Scenario Model into tblImport |
| TransferToMdl | TransferToMdl |  | Procedure to transfer a Scenario Model from tblImport sheet rows/cols "input deck" –loops over rows in tblImport |
| TransferToMdl | **ToMdl\_InitRowCur** | tblS.rngRows  tblS.rowCur | Set tblImport row range for model; Init tblImport and mdl rowCur |
| TransferToMdl | **ToMdl\_ResetMdlImportRow** | R\_MI mdlImportRow instance  sGrpPrev local variable | Reset mdlImportRow Class instance in TransferToMdl loop over mdlImport rngMdl rows |
| TransferToMdl | **TblImportDeleteModel** | rngMdl | Delete a model from mdlImport sheet |
| TransferToMdl | **rngRowsMdl** | rngMdl | Called by **TblImportDeleteModel** and ToMdl\_InitRowCur Set tblImport row range for specified model |
| TransferToMdl | **ToMdl\_WriteMdlAndSteps** |  | Write R\_MI var to mdl and ExcelSteps |
| TransferToMdl | **ToMdl\_WriteRowToSteps** | tblS.rngRows  tbls.rowCur | Write Lite Scenario Model variable's info to ExcelSteps row |
| TransferToMdl | **ToMdl\_WriteRowToMdl** | mdl | Write a tblImport row to destination Scenario Model; Called by WriteVarMdlAndSteps as part of TransferToMdl procedure |
| TransferToMdl | **ToMdl\_WriteGrp** | mdl | Called by **ToMdl\_WriteRowToMdl**. Write new group heading in Scenario Model transfer from tblImport |
| TransferToMdl | **ToMdl\_WriteVar** | mdl | Called by **ToMdl\_WriteRowToMdl**. Write variable's metadata during Scenario Model transfer from tblImport |
| TransferToMdl | **ToMdl\_WriteRowToSteps** | tblS.rngRows  tblS.rowCur | Write Lite Scenario Model variable's info to ExcelSteps row |
| TransferToTblImport | **TransferToTblImport** | tblS  mdl  tblImport | Procedure to write Lite Scenario Model to mdlImport sheet as Rows/Cols table |
| TransferToTblImport | **ToTbl\_InitRowCur** | mdl.rowCur  tblImport.rowCur | Initialize tblImport rowCur after last row and mdl rowCur as cellHome row |
| TransferToTblImport | **ToTbl\_ResetMdlRow** | R\_MI mdlImportRow instance  sGrpPrev local variable | Reset mdlImportRow Class instance in TransferToTblImport loop. Instance Class and call R\_MI.InitRead() |
| TransferToTblImport | **ToTbl\_WriteRow** |  | Write R\_MI (mdlIMportRow Class) attributes to tblImport row |