

## oDesktop

AddMessage	ClearMessages	CloseAllWindows
CloseProject	CloseProjectNoForce	DeleteProject
DeleteRegistryEntry	DoesRegistryValueExist	DownloadJobResults
EnableAutoSave	ExportOptionsFiles	GetActiveProject
GetAutoSaveEnabled	GetBuildDateTimeString	GetDefaultUnit
GetDistributedAnalysisMachines	GetDistributedAnalysisMachinesForDesignType	GetExeDir
GetGDIObjectCount	GetLibraryDirectory	GetLocalizationHelper
GetMessages	GetPersonalLibDirectory	GetProcessID
GetProjectDirectory	GetProjectList	GetProjects
GetRegistryInt	GetRegistryString	GetRunningInstancesMgr
GetScriptingToolsHelper	GetSysLibDirectory	GetTempDirectory
GetTool	GetUserLibDirectory	GetVersion
LaunchJobMonitor	NewProject	OpenAndConvertProject
OpenMultipleProjects	OpenProject	OpenProjectWithConversion
PageSetup	PauseRecording	PauseScript
Print	QuitApplication	RefreshJobMonitor
ResetLogging	RestoreProjectArchive	RestoreWindow
ResumeRecording	RunACTWizardScript	RunProgram
RunScript	RunScriptWithArguments	SelectScheduler
SetActiveProject	SetActiveProjectByPath	SetLibraryDirectory
SetProjectDirectory	SetRegistryFromFile	SetRegistryInt
SetRegistryString	SetTempDirectory	ShowDockingWindow
Sleep	SubmitJob	TileWindows

## oProject

AddDataset	AddMaterial	AnalyzeAll
ChangeProperty	ClearMessages	CloneMaterial
Close	CopyDesign	CutDesign
DeleteDataset	DeleteDesign	DeleteToolObject
EditDataset	EditMaterial	ExportDataset
ExportMaterial	GetActiveDesign	GetArrayVariables
GetChildNames	GetChildObject	GetChildTypes
GetConfigurableData	GetDefinitionManager	GetDependentFiles
GetDesign	GetDesigns	GetEDBHandle
GetLegacyName	GetName	GetObjPath
GetPath	GetPropNames	GetPropValue
GetProperties	GetPropertyValue	GetTopDesignList
GetVariableValue	GetVariables	ImportDataset
InsertDesign	InsertDesignWithWorkflow	InsertToolObject
Paste	PasteDesignBlock	Redo
RemoveAllUnusedDefinitions	RemoveMaterial	RemoveUnusedDefinitions
Rename	Save	SaveAs
SaveAsStandAloneProject	SaveProjectArchive	SetActiveDefinitionEditor
SetActiveDesign	SetPropValue	SetPropertyValue
SetVariableValue	SimulateAll	Undo
UpdateDefinitions		

## oDefinitionManager

AddComponent	AddDataset	AddFootprint
AddMaterial	AddPadstack	AddScript
AddSurfaceMaterial	AddSymbol	ChangeProperty
CloneMaterial	CreateComponentData	DeleteDataset

DoesMaterialExist

DoesSurfaceMaterialExist

EditComponent

EditDataset

EditFootprint

EditMaterial

EditPadstack

EditScript

EditSurfaceMaterial

EditSymbol

ExportComponent

ExportDataset

ExportFootprint

ExportMaterial

ExportPadstack

ExportScript

ExportSurfaceMaterial

ExportSymbol

GetInUseProjectMaterialNames

GetManager

GetMaterialNamesInConfiguredLibraries

GetProjectMaterialNames

GetProperties

GetPropertyValue

ImportDataset

ModifyLibraries

RemoveComponent

RemoveFootprint

RemoveMaterial

RemovePadstack

RemoveScript

RemoveSurfaceMaterial

RemoveSymbol

SetPropertyValue

UpdateDefinition

UpdateDefinitionFromLib

## oDesign

AddDataset

Analyze

AnalyzeAll

AnalyzeAllNominal

ApplyMeshOps

ChangeProperty

ClearLinkedData

ConstructVariationString

Create2DDesign

CreateParametricCircuit

DeleteDataset

DeleteFieldVariation

DeleteFullVariation

DeleteLinkedDataVariation

DeleteVariation

EditDataset

EditNotes

EnableHarmonicForceCalculation

ExportConvergence

ExportDataset

ExportMeshStats

ExportProfile

GenerateMesh

GetArrayVariables

GetChildNames

GetChildObject

GetChildTypes

GetConfigurableData

GetData

GetDesignType

GetDesignValidationInfo

GetManagedFilePath

GetModule

GetName

GetNominalVariation

GetNoteText

GetObjPath

GetPostProcessingVariables

GetPropNames

GetPropValue

GetProperties

GetPropertyValue

GetSolutionType

GetVariableValue

GetVariables

GetVariationVariableValue

ImportDataset

InitializeSystemCoupling

Is2D

Is3D

Paste

Redo

RenameDesignInstance

SetActiveEditor

SetConductivityThreshold

SetDesignSettings

SetObjectDeformation

SetObjectTemperature

SetPropValue

SetPropertyValue

SetSolutionType

SetVariableValue

SimulateLink

Solve

StopSimLink

Undo

ValidateDesign

ValidateLink

## Editor

AddViewOrientation

AlignFaces

AssignMaterial

AssignSurfaceMaterial

BreakUDMConnection

Chamfer

ChangeProperty

CleanUpModel

CloseAllWindows

Connect

Copy

CoverLines

CoverSurfaces

Create3DComponent

CreateBondwire

CreateBox

CreateCircle

CreateComponent

CreateCone

CreateCutplane

CreateCylinder

CreateEllipse

CreateEntityList

CreateEquationCurve

CreateEquationSurface

CreateFaceCS

CreateGroup

CreateHelix

CreateObjectCS

CreateObjectFromEdges

CreateObjectFromFace

CreateObjectFromFaces

CreatePoint

CreatePolyline

CreateRectangle

CreateRegion

CreateRegularPolygon

CreateRegularPolyhedron

CreateRelativeCS

CreateSphere

CreateSpiral

CreateTorus

CreateUserDefinedModel

CreateUserDefinedPart

CustomGeometryOperation

Defeature	DeletPolylinePoint	Delete
DeleteEmptyGroups	DeleteLastOperation	DeleteOperation
DeletePolylinePoint	DetachEdge	DetachEdges
DetachFace	DetachFaces	DoModalValidationForTest
DoesGeometryMatchForTest	DuplicateAlongLine	DuplicateAroundAxis
DuplicateMirror	Edit3DComponent	Edit3DComponentDefinition
EditEntityList	EditFaceCS	EditNativeComponentDefinition
EditObjectCS	EditPolyline	EditRelativeCS
Export	ExportGDSII	ExportModelImageToFile
Fillet	FitAll	FlattenGroup
GenerateAllUserDefinedModels	GenerateFacetDataForModel	GenerateHistory
GenerateUserDefinedModel	Get3DComponentDefinitionNames	Get3DComponentInstanceNames
Get3DComponentMaterialNames	Get3DComponentMaterialProperties	Get3DComponentParameters
Get3DComponentPartNames	GetActiveCoordinateSystem	GetBodyNamesByPosition
GetChildNames	GetChildObject	GetChildTypes
GetCoordinateSystems	GetEdgeByPosition	GetEdgeIDFromNameForFirstOperation
GetEdgeIDsFromFace	GetEdgeIDsFromObject	GetEdgeLength
GetEdgePositionAtNormalizedParameter	GetEntityListIDByName	GetFaceArea
GetFaceByPosition	GetFaceCenter	GetFaceIDFromNameForFirstOperation
GetFaceIDs	GetFaceIDsOfSheet	GetFullGeometry
GetGeometryModelerMode	GetGroupSubmodelNames	GetMatchedObjectName
GetModelBoundingBox	GetModelDrawAttributes	GetModelUnits
GetName	GetNumObjects	GetObjPath
GetObjectIDByName	GetObjectName	GetObjectNameByEdgeID
GetObjectNameByFaceID	GetObjectNameByID	GetObjectNameByVertexID
GetObjectShapeType	GetObjectsByMaterial	GetObjectsInGroup
GetOperationIndex	GetPartsForUserDefinedModel	GetPoints
GetPropNames	GetPropValue	GetProperties
GetPropertyValue	GetRelativeCoordinateSystems	GetSelections
GetSubGroupsInGroup	GetPosition	GetVertexIDFromNameForFirstOperation
GetVertexIDsFromEdge	GetVertexIDsFromFace	GetVertexIDsFromObject
GetVertexPosition	GetWireBodyNames	HealObject
Import	ImportDXF	ImportFromClipboard
ImportGDSII	Imprint	ImprintProjection
Insert3DComponent	InsertComponent	InsertNativeComponent
InsertPolylineSegment	Intersect	Make3DComponentIndenpendent
Mirror	Move	MoveCSToEnd
MoveEdges	MoveEntityToGroup	MoveFaces
ObjectExists	OffsetFaces	OpenExternalEditor
PageSetup	Paste	PerformExplicitSubtractions
ProjectSheet	ProjectUDPPParametersToValidPlane	ProjectUDPPParametersToValidPlane2
PurgeHistory	RefreshAllUserDefinedModelFrom	RefreshUserDefinedModelFrom
RefreshUserDefinedModelTo	RemoveBadEdges	RemoveBadFaces
RemoveBadVertices	RenamePart	ReplaceWith3DComponent
Rotate	Scale	Section
SendParametersAndGenerateUserDefineModel	SeparateBody	SetModelUnits
SetModelValidationSettings	SetPropValue	SetPropertyValue
SetTopDownViewDirectionForActiveView	SetTopDownViewDirectionForAllViews	SetWCS
ShowWindow	Simplify	Split
Stitch	Subtract	SweepAlongPath
SweepAlongVector	SweepAroundAxis	SweepFacesAlongNormal
SweepFacesAlongNormalWithAttributes	ThickenSheet	UncoverFaces
Ungroup	Unite	UpdateComponentDefinition
UpdatePriorityList	UpgradeVersion	Validate3DComponent
WrapSheet	WriteAttributesBlockForTest	WriteHistoryTreeLayoutForTest

## oTool-NdExplorer

CheckCausality  
ExportNetworkData

ExportFullWaveSpice  
ExtractImpulseResponse

ExportNMFData  
SetExportTouchstoneOptions

## oTool-ImportExport

ImportANF  
ImportAutoCAD  
ImportGDSII  
ImportIDFandMerge  
ImportXFL

ImportANFV2  
ImportEDB  
ImportGerber  
ImportIPC

ImportAWRMicrowaveOffice  
ImportExtracta  
ImportIDF  
ImportODB

## oModule-BoundarySetup

AddAssignmentToBoundary  
AssignCharge  
AssignCurrent  
AssignCurrentDensityTerminal  
AssignCylindricalHField  
AssignImpedance  
AssignMaster  
AssignResistiveSheet  
AssignSymmetry  
AssignVoltageAPhi  
AssignVoltageDropGroup  
AssignWindingGroup  
DeleteAllBoundaries  
EditCharge  
EditCurrentDensity  
EditExternalCircuit  
EditFluxTangential  
EditIntegratedZeroTangentialHField  
EditRadiation  
EditSlave  
EditVoltage  
EditVolumeChargeDensity  
GetAssignment  
GetCoreLossEffect  
GetEddyEffect  
GetNumBoundaries  
GetNumExcitationsOfType  
RemoveTerminalFromWinding  
SetCoreLoss  
SetMinimumTimeStep

AddTerminalstoWinding  
AssignCoilTerminal  
AssignCurrentDensity  
AssignCurrentDensityTerminalGroup  
AssignFloating  
AssignInsulating  
AssignPermanentMagnetField  
AssignSink  
AssignTangentialHField  
AssignVoltageAPhiGroup  
AssignVoltageGroup  
AssignZeroTangentialHField  
DeleteAllExcitations  
EditCoilTerminal  
EditCurrentDensityTerminal  
EditExternalSimulinkCircuit  
EditImpedance  
EditMaster  
EditResistiveSheet  
EditSymmetry  
EditVoltageAPhi  
EditWindingGroup  
GetBoundaries  
GetCoreLossEffectOnField  
GetExcitations  
GetNumBoundariesOfType  
ReassignBoundary  
RenameBoundary  
SetEddyEffect  
SetupYConnection

AddWindingTerminals  
AssignCoilTerminalGroup  
AssignCurrentDensityGroup  
AssignCurrentGroup  
AssignFluxTangential  
AssignIntegratedZeroTangentialHField  
AssignRadiation  
AssignSlave  
AssignVoltage  
AssignVoltageDrop  
AssignVolumeChargeDensity  
ComputeOperatingPoints  
DeleteBoundaries  
EditCurrent  
EditCylindricalHField  
EditFloating  
EditInsulating  
EditPermanentMagnetField  
EditSink  
EditTangentialHField  
EditVoltageDrop  
EditZeroTangentialHField  
GetBoundariesOfType  
GetDisplacementCurrent  
GetExcitationsOfType  
GetNumExcitations  
RemoveAssignmentFromBoundary  
ReprioritizeBoundaries  
SetMagnetizationCompute

## oModule-MeshSetup

AssignApplyCurvilinearElementsOp  
AssignCylindricalGapOp  
AssignEdgeCutLayerOp  
AssignRotationalLayerOp  
AssignTrueSurfOp  
EditCloneOp  
EditDefeatureOp  
EditLengthOp

AssignCloneOp  
AssignDefeatureOp  
AssignLengthOp  
AssignSkinDepthOp  
DeleteOp  
EditCurvatureExtractionOp  
EditDensityControlOp  
EditModelResolutionOp

AssignCurvatureExtractionOp  
AssignDensityControlOp  
AssignModelResolutionOp  
AssignSurfPriorityForTauOp  
EditApplyCurvilinearElementsOp  
EditCylindricalGapOp  
EditEdgeCutLayerOp  
EditRotationalLayerOp

EditSkinDepthOp  
GetOperationNames  
RenameOp

EditSurfPriorityOp  
InitialMeshSettings

EditTrueSurfOp  
ReassignOp

## oModule-AnalysisSetup

ClearLinkedData  
DeleteSetups  
ExportECData  
InsertMeshLinkedSetup  
RenameSetup  
RevertAllToInitial  
RevertSetupToInitial

ConfigureFluentConductivityCoupling  
EditSetup  
ExportSolnData  
InsertSetup  
ResetAllToTimeZero  
RevertAllToInitialTemperature  
RevertSetupToInitialTemperature

CopySetup  
ExportCircuit  
GetSetups  
PasteSetup  
ResetSetupToTimeZero  
RevertAllToZeroDisplacement  
RevertSetupToZeroDisplacement

## oModule-Optimetrics

CopySetup  
EditSetup  
ExportDOELocalSensitivityCurve  
ExportDOEResponseSurface  
ExportOptimetricsResult  
ExportRespSurfaceMinMaxTable  
ExportRespSurfaceResponsePoints  
GetChildNames  
GetName  
GetOptimetricResultRowCount  
GetSetupNames  
InsertSetup  
SetPropValue

DeleteSetups  
EnableSetup  
ExportDOEResponseCurve  
ExportDXConfigFile  
ExportParametricResults  
ExportRespSurfacePlotToFile  
ExportRespSurfaceVerificationPoints  
GetChildObject  
GetObjPath  
GetPropNames  
GetSetupNamesByType  
PasteSetup  
SolveAllSetup

DistributedAnalyzeSetup  
ExportDOELocalSensitivity  
ExportDOEResponseCurveSlices  
ExportOptimetricsProfile  
ExportParametricSetupTable  
ExportRespSurfaceRefinePoints  
GenerateVariationData  
GetChildTypes  
GetOptimetricResult  
GetPropValue  
ImportSetup  
RenameSetup  
SolveSetup

## oModule-Solutions

DeleteSolutionVariation  
GetValidISolutionList

FFTONReport  
TDRONReport

GetAvailableVariations

## oModule-FieldsReporter

AddMarker  
AddNamedExpression  
CalcStack  
CalculatorWrite  
ClcMaterial  
ClearAllNamedExpr  
DeleteFieldPlot  
DeleteUneditablePlot  
EnterComplex  
EnterEdge  
EnterPoint  
EnterScalarFunc  
EnterVectorFunc  
ExportMarkerTable  
ExportToFile  
GetMeshPlotNames  
HidePolarPlot  
ModifyFieldPlot  
RenamePlotFolder  
SetFieldPlotSettings

AddMarkerToPlot  
CalcOp  
CalcWrite  
ChangeGeomSettings  
ClcMaterialValue  
CopyNamedExprToStack  
DeleteMarker  
DoesNamedExpressionExists  
EnterComplexVector  
EnterLine  
EnterQty  
EnterSurf  
EnterVol  
ExportOnGrid  
GetFieldFolderNames  
GetTopEntryValue  
HideRadiatedPlotOverlay  
ReassignFieldPlot  
SaveFieldsPlots  
SetFieldTypeSettings

AddNamedExpr  
CalcRead  
CalculatorRead  
ClcEval  
ClearAllMarkers  
CreateFieldPlot  
DeleteNamedExpr  
DumpCalculatorStack  
EnterCoord  
EnterOutputVar  
EnterScalar  
EnterVector  
ExportFieldPlot  
ExportPlotImageToFile  
GetFieldPlotNames  
HideAntennaParameterOverlay  
LoadNamedExpressions  
RenameFieldPlot  
SaveNamedExpressions  
SetPlotFolderSettings

SetPlotsSolutionContext  
ShowPolarPlot  
UpdateAllFieldsPlots

SetPlotsViewSolutionContext  
ShowRadiatedPlotOverlay  
UpdateQuantityFieldsPlots

ShowAntennaParameterOverlay  
Test  
XForm

## oModule-ReportSetup

AddAllEyeMeasurements  
AddCartesianLimitLineFromEquation  
AddCartesianYMarkerToStack  
AddNote  
ApplyReportTemplate  
ClearAllTraceCharacteristics  
CompareReportDataForRegressionTesting2  
CopyPlotSettings  
CopyTraceDefinitions  
CreateReportFromFile  
DeleteAllReports  
DeleteTraces  
DumpReportDataForRegressionTesting  
EditMarker  
ExportReportDataToFile  
ExportUniformPointsToFile  
GetAllReportNames  
GetAvailableSolutions  
GetChildTypes  
GetDynLinkIntrinsicVariables  
GetDynLinkTraces  
GetObjPath  
GetPropertyValue  
GetReportTraceNames  
GroupPlotCurvesByGroupingStrategy  
MovePlotCurvesToGroup  
OpenWindowForReports  
PasteReportsWithLegacyNames  
RenameReport  
SavePlotSettingsAsDefault  
UngroupPlotCurvesInGroup  
UpdateTraces

AddCartesianLimitLine  
AddCartesianXMarker  
AddDeltaMarker  
AddTraceCharacteristics  
ChangeProperty  
CloneReportsFromDatasetSolution  
CompareTracesForRegressionTesting  
CopyReportDefinitions  
CopyTracesData  
CreateReportFromTemplate  
DeleteReports  
DoesSupportTraceCharacteristics  
EditCartesianXMarker  
ExportEyeMaskViolation  
ExportTableToFile  
GetAllCategories  
GetAvailableDisplayTypes  
GetChildNames  
GetCurvePropServerName  
GetDynLinkQtyData  
GetDynLinkVariableValues  
GetPropNames  
GetQtyExpressionsForSourceTrace  
GetSolutionContexts  
ImportIntoReport  
MovePlotCurvesToNewGroup  
PastePlotSettings  
PasteTraces  
RenameTrace  
SetLinkOutputTraces  
UpdateAllReports  
UpdateTracesContextAndSweeps

AddCartesianLimitLineFromCurve  
AddCartesianYMarker  
AddMarker  
AddTraces  
ClearAllMarkers  
CompareReportDataForRegressionTesting  
CompareTracesForRegressionTesting2  
CopyReportsData  
CreateReport  
CreateReportOfAllQuantities  
DeleteTraceCharacteristics  
DumpAllReportsData  
EditCartesianYMarker  
ExportImageToFile  
ExportToFile  
GetAllQuantities  
GetAvailableReportTypes  
GetChildObject  
GetDisplayType  
GetDynLinkQtyValueState  
GetName  
GetPropValue  
GetReportSummaryForRegressionTesting  
GetSolutionDataPerVariation  
ImportReportDataIntoReport  
OpenWindowForAllReports  
PasteReports  
PasteTracesWithLegacyNames  
ResetPlotSettings  
SetPropValue  
UpdateReports

## oModule-OutputVariable

CreateOutputVariable  
EditOutputVariable  
GetOutputVariables

DeleteOutputVariable  
ExportOutputVariables  
ImportOutputVariables

DoesOutputVariableExist  
GetOutputVariableValue

## oModule-UserDefinedSolutionModule

CreateUserDefinedSolution  
GetUserDefinedSolutionNames

DeleteUserDefinedSolutions  
GetUserDefinedSolutionProperties

EditUserDefinedSolution