

oDesktop

AddMessage	ClearMessages	CloseAllWindows
CloseProject	CloseProjectNoForce	DeleteProject
DoesRegistryValueExist	DownloadJobResults	EnableAutoSave
ExportOptionsFiles	GetActiveProject	GetAutoSaveEnabled
GetBuildDateTimeString	GetDefaultUnit	GetDistributedAnalysisMachines
GetDistributedAnalysisMachinesForDesignType	GetExeDir	GetGDIObjectCount
GetLibraryDirectory	GetLocalizationHelper	GetMessages
GetPersonalLibDirectory	GetProcessID	GetProjectDirectory
GetProjectList	GetProjects	GetRegistryInt
GetRegistryString	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
GetConfigurableData	GetDefinitionManager	GetDependentFiles
GetDesign	GetDesigns	GetEDBHandle
GetLegacyName	GetName	GetPath
GetProperties	GetPropertyValue	GetTopDesignList
GetVariableValue	GetVariables	ImportDataset
InsertDesign	InsertDesignWithWorkflow	InsertToolObject
Paste	PasteDesignBlock	Redo
RemoveAllUnusedDefinitions	RemoveMaterial	RemoveUnusedDefinitions
Rename	Save	SaveAs
SaveAsStandAloneProject	SaveProjectArchive	SetActiveDefinitionEditor
SetActiveDesign	SetPropertyValue	SetVariableValue
SimulateAll	Undo	UpdateDefinitions

oDefinitionManager

AddComponent	AddDataset	AddFootprint
--------------	------------	--------------

AddMaterial
AddSurfaceMaterial
CloneMaterial
DoesMaterialExist
EditDataset
EditPadstack
EditSymbol
ExportFootprint
ExportScript
GetInUseProjectMaterialNames
GetProjectMaterialNames
ImportDataset
RemoveFootprint
RemoveScript
SetPropertyValue

AddPadstack
AddSymbol
CreateComponentData
DoesSurfaceMaterialExist
EditFootprint
EditScript
ExportComponent
ExportMaterial
ExportSurfaceMaterial
GetManager
GetProperties
ModifyLibraries
RemoveMaterial
RemoveSurfaceMaterial
UpdateDefinition

AddScript
ChangeProperty
DeleteDataset
EditComponent
EditMaterial
EditSurfaceMaterial
ExportDataset
ExportPadstack
ExportSymbol
GetMaterialNamesInConfiguredLibraries
GetPropertyValue
RemoveComponent
RemovePadstack
RemoveSymbol
UpdateDefinitionFromLib

oDesign

AddDataset
AnalyzeAllNominal
ConstructVariationString
DeleteFieldVariation
DeleteVariation
ExportConvergence
ExportMeshStats
ExportProfile
GetConfigurableData
GetDesignType
GetName
GetPostProcessingVariables
GetVariableValue
ImportDataset
RenameDesignInstance
SetAllowMaterialOverride
SetObjectTemperature
SimulateLink
Undo

Analyze
ApplyMeshOps
Create2DDesign
DeleteFullVariation
EditDataset
ExportDataset
ExportNMFData
GenerateMesh
GetData
GetDesignValidationInfo
GetNominalVariation
GetProperties
GetVariables
Paste
RunToolkit
SetBackgroundMaterial
SetPropertyValue
Solve
ValidateDesign

AnalyzeAll
ChangeProperty
DeleteDataset
DeleteLinkedDataVariation
EditNotes
ExportMatrixData
ExportNetworkData
GetArrayVariables
GetDataVersion
GetModule
GetNoteText
GetPropertyValue
GetVariationVariableValue
Redo
SetActiveEditor
SetDesignSettings
SetVariableValue
StopSimLink
ValidateLink

Editor

AddViewOrientation
AssignSurfaceMaterial
ChangeProperty
Connect
CoverSurfaces
CreateBox
CreateCone
CreateEllipse
CreateEquationSurface
CreateHelix
CreateObjectFromFace
CreatePolyline

AlignFaces
BreakUDMConnection
CleanUpModel
Copy
Create3DComponent
CreateCircle
CreateCutplane
CreateEntityList
CreateFaceCS
CreateObjectCS
CreateObjectFromFaces
CreateRectangle

AssignMaterial
Chamfer
CloseAllWindows
CoverLines
CreateBondwire
CreateComponent
CreateCylinder
CreateEquationCurve
CreateGroup
CreateObjectFromEdges
CreatePoint
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
GetCoordinateSystems	GetEdgeByPosition	GetEdgeIDFromNameForFirstOperation
GetEdgeIDsFromFace	GetEdgeIDsFromObject	GetEdgeLength
GetEdgePositionAtNormalizedParameter	GetEntityListIDByName	GetFaceArea
GetFaceByPosition	GetFaceCenter	GetFaceIDFromNameForFirstOperation
GetFaceIDs	GetFaceIDsOfSheet	GetFullGeometry
GetGeometryModelerMode	GetGroupSubmodelNames	GetMatchedObjectName
GetModelBoundingBox	GetModelDrawAttributes	GetModelUnits
GetNumObjects	GetObjectIDByName	GetObjectName
GetObjectNameByEdgeID	GetObjectNameByFaceID	GetObjectNameByID
GetObjectNameByVertexID	GetObjectShapeType	GetObjectsByMaterial
GetObjectsInGroup	GetOperationIndex	GetPartsForUserDefinedModel
GetPoints	GetProperties	GetPropertyValue
GetRelativeCoordinateSystems	GetSelections	GetSubGroupsInGroup
GetUserPosition	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
SetPropertyValue	SetTopDownViewDirectionForActiveView	SetTopDownViewDirectionForAllViews
SetWCS	ShowWindow	Simplify
Split	Stitch	Subtract
SweepAlongPath	SweepAlongVector	SweepAroundAxis
SweepFacesAlongNormal	SweepFacesAlongNormalWithAttributes	ThickenSheet

UncoverFaces
UpdateComponentDefinition
Validate3DComponent
WriteHistoryTreeLayoutForTest

Ungroup
UpdatePriorityList
WrapSheet

Unite
UpgradeVersion
WriteAttributesBlockForTest

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
AssignGroundNet
AssignSignalNet
AssignTerminals
DeleteAllBoundaries
EditInfiniteGround
EditThinConductor
GetNumExcitations
RenameBoundary
SetMaterialThresholds

Assign2DTerminals
AssignInfiniteGround
AssignSink
AssignThinConductor
DeleteAllExcitations
EditNet
GetExcitationAssignment
ReassignBoundary
ReprioritizeNetTypes
ToggleNet

AssignFloatingNet
AssignNet
AssignSource
AutoIdentifyNets
DeleteBoundaries
EditTerminal
GetExcitations
RemoveAssignmentFromBoundary
SetConductivityThreshold
ToggleTerminal

oModule-MeshSetup

AssignApplyCurvilinearElementsOp
AssignCylindricalGapOp
AssignEdgeCutLayerOp
AssignRotationalLayerOp
AssignTrueSurfOp
EditCloneOp
EditDefeatureOp
EditLengthOp
EditSkinDepthOp
GetOperationNames
RenameOp

AssignCloneOp
AssignDefeatureOp
AssignLengthOp
AssignSkinDepthOp
DeleteOp
EditCurvatureExtractionOp
EditDensityControlOp
EditModelResolutionOp
EditSurfPriorityOp
InitialMeshSettings

AssignCurvatureExtractionOp
AssignDensityControlOp
AssignModelResolutionOp
AssignSurfPriorityForTauOp
EditApplyCurvilinearElementsOp
EditCylindricalGapOp
EditEdgeCutLayerOp
EditRotationalLayerOp
EditTrueSurfOp
ReassignOp

oModule-AnalysisSetup

CopySetup
DeleteSweep
EditSweep
GetSetups

CopySweep
EditCircuitSettings
ExportCircuit
GetSweepCount

DeleteSetups
EditSetup
GetProblemTypes
GetSweeps

InsertSetup
PasteSweep
RevertAllToInitial
RevertSetupToInitialTemperature

InsertSweep
RenameSetup
RevertAllToInitialTemperature

PasteSetup
RenameSweep
RevertSetupToInitial

oModule-Optimetrics

CopySetup
EditSetup
ExportDOELocalSensitivityCurve
ExportDOEResponseSurface
ExportOptimetricsResult
ExportRespSurfacePlotToFile
ExportRespSurfaceVerificationPoints
GetOptimetricResultRowCount
ImportSetup
RenameSetup

DeleteSetups
EnableSetup
ExportDOEResponseCurve
ExportDXConfigFile
ExportParametricResults
ExportRespSurfaceRefinePoints
GenerateVariationData
GetSetupNames
InsertSetup
SolveAllSetup

DistributedAnalyzeSetup
ExportDOELocalSensitivity
ExportDOEResponseCurveSlices
ExportOptimetricsProfile
ExportRespSurfaceMinMaxTable
ExportRespSurfaceResponsePoints
GetOptimetricResult
GetSetupNamesByType
PasteSetup
SolveSetup

oModule-Solutions

DeleteSolutionVariation
GetAvailableVariations
GetNetworkDataSolutionDefinition
HasMatrixData
TDROnReport

EditSources
GetEditSourcesCount
GetValidISolutionList
HasMesh

FFTONReport
GetNetworkDataSolution
HasFields
ListVariations

oModule-FieldsReporter

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

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

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

oModule-ReduceMatrix

AlphaNumericMatrix
DupRM
InsertRM
RenameRMO

DeleteRM
DupRMAddOp
RMAddOp
ReorderMatrix

DeleteRMO
EditRM
RenameRM

oModule-ReportSetup

AddAllEyeMeasurements
AddCartesianLimitLineFromEquation
AddCartesianYMarkerToStack
AddNote
ApplyReportTemplate
ClearAllTraceCharacteristics
CompareReportDataForRegressionTesting2
CopyPlotSettings
CopyTraceDefinitions
CreateReportFromFile
DeleteAllReports
DeleteTraces
DumpReportDataForRegressionTesting
EditMarker
ExportReportDataToFile
ExportUniformPointsToFile
GetAllReportNames
GetAvailableSolutions
GetDynLinkQtyData
GetDynLinkVariableValues
GetReportSummaryForRegressionTesting
GetSolutionDataPerVariation
ImportReportDataIntoReport
OpenWindowForAllReports
PasteReports
PasteTracesWithLegacyNames
ResetPlotSettings
UngroupPlotCurvesInGroup
UpdateTraces

AddCartesianLimitLine
AddCartesianXMarker
AddDeltaMarker
AddTraceCharacteristics
ChangeProperty
CloneReportsFromDatasetSolution
CompareTracesForRegressionTesting
CopyReportDefinitions
CopyTracesData
CreateReportFromTemplate
DeleteReports
DoesSupportTraceCharacteristics
EditCartesianXMarker
ExportEyeMaskViolation
ExportTableToFile
GetAllCategories
GetAvailableDisplayTypes
GetDisplayType
GetDynLinkQtyValueState
GetPropertyValue
GetReportTraceNames
GroupPlotCurvesByGroupingStrategy
MovePlotCurvesToGroup
OpenWindowForReports
PasteReportsWithLegacyNames
RenameReport
SavePlotSettingsAsDefault
UpdateAllReports
UpdateTracesContextAndSweeps

AddCartesianLimitLineFromCurve
AddCartesianYMarker
AddMarker
AddTraces
ClearAllMarkers
CompareReportDataForRegressionTesting
CompareTracesForRegressionTesting2
CopyReportsData
CreateReport
CreateReportOfAllQuantities
DeleteTraceCharacteristics
DumpAllReportsData
EditCartesianYMarker
ExportImageToFile
ExportToFile
GetAllQuantities
GetAvailableReportTypes
GetDynLinkIntrinsicVariables
GetDynLinkTraces
GetQtyExpressionsForSourceTrace
GetSolutionContexts
ImportIntoReport
MovePlotCurvesToNewGroup
PastePlotSettings
PasteTraces
RenameTrace
SetLinkOutputTraces
UpdateReports

oModule-OutputVariable

CreateOutputVariable
EditOutputVariable
GetOutputVariables

DeleteOutputVariable
ExportOutputVariables
ImportOutputVariables

DoesOutputVariableExist
GetOutputVariableValue

oModule-UserDefinedSolutionModule

CreateUserDefinedSolution
GetUserDefinedSolutionNames

DeleteUserDefinedSolutions
GetUserDefinedSolutionProperties

EditUserDefinedSolution