

## 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
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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

AbortSolveAsynch	AddDataset	Analyze
AnalyzeAll	AnalyzeAllNominal	AnalyzeDistributed
ApplyMeshOps	ChangeProperty	ClearLinkedData
ConstructVariationString	DeleteDataset	DeleteFieldVariation
DeleteFullVariation	DeleteLinkedDataVariation	DeleteVariation
DistributeAnalysis	EditDataset	EditNotes
ExportConvergence	ExportDataset	ExportMeshStats
ExportProfile	GenerateMesh	GenerateModelDef
GenerateModelDefForMeshAssemblyManager	GetArrayVariables	GetConfigurableData
GetData	GetDataVersion	GetDesignType
GetDesignValidationInfo	GetModule	GetName
GetNominalVariation	GetNoteText	GetOutputVariableValue
GetOutputVariables	GetPostProcessingVariables	GetProperties
GetPropertyValue	GetSolutionType	GetSolveAsynchStatus
GetSolveInsideThreshold	GetVariableValue	GetVariables
GetVariationVariableValue	ImportDataset	Paste
Redo	RenameDesignInstance	RunToolkit
SARSetup	SetActiveEditor	SetAllowMaterialOverride
SetDesignSettings	SetDoMeshAssembly	SetObjectDeformation
SetObjectTemperature	SetPropertyValue	SetSolutionType
SetSolveInsideThreshold	SetTuningRanges	SetVariableValue
SimulateLink	Solve	SolveAsynch
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
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	GetProperty Value
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	Ungroup	Unite
UpdateComponentDefinition	UpdatePriorityList	UpgradeVersion
Validate3DComponent	WrapSheet	WriteAttributesBlockForTest

## oTool-NdExplorer

CheckCausality	ExportFullWaveSpice	ExportNMFData
ExportNetworkData	ExtractImpulseResponse	SetExportTouchstoneOptions

## oTool-ImportExport

ImportANF	ImportANFV2	ImportAWRMicrowaveOffice
ImportAutoCAD	ImportEDB	ImportExtracta
ImportGDSII	ImportGerber	ImportIDF
ImportIDFandMerge	ImportIPC	ImportODB
ImportXFL		

## oModule-BoundarySetup

AddAssignmentToBoundary	AlphaNumericMatrix	AssignAnisotropicImpedance
AssignAperture	AssignCableNetwork	AssignCircuitPort
AssignCurrent	AssignCylindricalWave	AssignDCThickness
AssignDielectricCavity	AssignFEBI	AssignFarFieldWave
AssignFiniteCond	AssignFloquetPort	AssignFresnel
AssignGaussianBeam	AssignHalfSpace	AssignHertzianDipoleWave
AssignHybridRegion	AssignIERegion	AssignImpedance
AssignIncidentWave	AssignLatticePair	AssignLayeredImp
AssignLinearAntennaWave	AssignLinkedImpedance	AssignLinkedRegion
AssignLumpedPort	AssignLumpedRLC	AssignMagneticBias
AssignMaster	AssignMultipactionChargeRegion	AssignMultipactionDCBias
AssignMultipactionSEE	AssignNearFieldWave	AssignPerfectE
AssignPerfectH	AssignPlaneWave	AssignPrimary
AssignRadiation	AssignSecondary	AssignSlave
AssignSymmetry	AssignTerminal	AssignVoltage
AssignWavePort	AutoIdentifyLatticePair	AutoIdentifyPorts
AutoIdentifyTerminals	ChangeImpedanceMult	CircuitPortToLumpedPort
ConvertNportCircuitElementToPorts	CreateNportCircuitElement	CreatePML
DeleteAllBoundaries	DeleteAllExcitations	DeleteBoundaries
EditAnisotropicImpedance	EditAperture	EditCableNetwork
EditCircuitPort	EditCurrent	EditDielectricCavity
EditDiffPairs	EditFEBI	EditFiniteCond
EditFloquetPort	EditFresnel	EditGlobalCurrentSourcesOption
EditGlobalMatEnv	EditHalfSpace	EditHybridRegion
EditImpedance	EditIncidentWave	EditLatticePair
EditLayeredImp	EditLinkedImpedance	EditLinkedRegion
EditLumpedPort	EditLumpedRLC	EditMagneticBias

EditMaster	EditMultipactionChargeRegion	EditMultipactionDCBias
EditMultipactionSEE	EditNportCircuitElement	EditPerfectE
EditPerfectH	EditPrimary	EditRadiation
EditSecondary	EditSlave	EditSymmetry
EditTerminal	EditVoltage	EditWavePort
GetBoundaries	GetBoundariesOfType	GetBoundaryAssignment
GetDefaultBaseName	GetDiffPairs	GetExcitations
GetExcitationsOfType	GetHybridRegions	GetHybridRegionsOfType
GetNumBoundaries	GetNumBoundariesOfType	GetNumExcitations
GetNumExcitationsOfType	GetNumHybridRegions	GetNumHybridRegionsOfType
GetPortExcitationCounts	LumpedPortToCircuitPort	ModifyPMLGroup
PMLGroupCreated	PMLGroupModified	ReassignBoundary
RecalculatePMLMaterials	RemoveAssignmentFromBoundary	RenameBoundary
ReorderMatrix	ReprioritizeBoundaries	SetAllHybridRegionsToOneWayCoupled
SetAllHybridRegionsToTwoWayCoupled	SetDefaultBaseName	SetHybridRegionsCoupling
SetPhaseCenterPerPort	SetSBRCreepingWaveSettings	SetSBRSources
SetSBRTxRxSettings	SetSBRWedgeSettings	SetScatteredFieldFormulation
SetSinglePhaseCenter	SetTerminalReferenceImpedances	SetTotalFieldFormulation
SwapCircuitPortDirection	SwapLatticePair	

## oModule-MeshSetup

AssignApplyCurvilinearElementsOp	AssignCloneOp	AssignCurvatureExtractionOp
AssignCylindricalGapOp	AssignDefeatureOp	AssignDensityControlOp
AssignEdgeCutLayerOp	AssignLengthOp	AssignModelResolutionOp
AssignRotationalLayerOp	AssignSkinDepthOp	AssignSurfPriorityForTauOp
AssignTrueSurfOp	DeleteOp	EditApplyCurvilinearElementsOp
EditCloneOp	EditCurvatureExtractionOp	EditCylindricalGapOp
EditDefeatureOp	EditDensityControlOp	EditEdgeCutLayerOp
EditLengthOp	EditModelResolutionOp	EditRotationalLayerOp
EditSkinDepthOp	EditSurfPriorityOp	EditTrueSurfOp
GetOperationNames	InitialMeshSettings	ReassignOp
RenameOp		

## oModule-AnalysisSetup

ClearLinkedData	CopyDrivenSetup	CopyEigenSetup
CopySweep	DeleteDrivenSweep	DeleteSetups
DeleteSweep	DoesSweepSetupExists	EditDrivenSweep
EditFrequencySweep	EditSetup	GetSetupCount
GetSetups	GetSweepCount	GetSweeps
InsertDrivenSweep	InsertFrequencySweep	InsertMeshLinkedSetup
InsertSetup	PasteDrivenSetup	PasteEigenSetup
PasteSweep	RenameDrivenSweep	RenameSetup
RenameSweep	ResetToTimeZero	RevertAllToInitial
RevertAllToInitialTemperature	RevertAllToZeroDisplacement	RevertSetupToInitial
RevertSetupToInitialTemperature	RevertSetupToZeroDisplacement	SolveSetup

## oModule-Optimetrics

CopySetup	DeleteSetups	DistributedAnalyzeSetup
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EditSetup  
ExportDOELocalSensitivityCurve  
ExportDOEResponseSurface  
ExportOptimetricsResult  
ExportRespSurfacePlotToFile  
ExportRespSurfaceVerificationPoints  
GetOptimetricResultRowCount  
ImportSetup  
RenameSetup

EnableSetup  
ExportDOEResponseCurve  
ExportDXConfigFile  
ExportParametricResults  
ExportRespSurfaceRefinePoints  
GenerateVariationData  
GetSetupNames  
InsertSetup  
SolveAllSetup

ExportDOELocalSensitivity  
ExportDOEResponseCurveSlices  
ExportOptimetricsProfile  
ExportRespSurfaceMinMaxTable  
ExportRespSurfaceResponsePoints  
GetOptimetricResult  
GetSetupNamesByType  
PasteSetup  
SolveSetup

## oModule-Solutions

DeleteImportData  
ExportEigenmodes  
ExportNMFData  
ExportWElement  
GetAllSourceMagnitudes  
GetAllSources  
GetEditSourcesCount  
GetIncludePortPostProcessing  
GetNetworkDataSolutionV2  
GetTerminalExcitationType  
GetValidISolutionList  
HasMesh  
IsFieldAvailableAt  
ListVariations  
SetSourceContexts

DeleteSolutionVariation  
ExportForHSpice  
ExportNetworkData  
FFTONReport  
GetAllSourceModes  
GetAntennaParameters  
GetExcitationScaling  
GetNetworkDataSolution  
GetSolveRangeInfo  
GetTransientSolveTimes  
HasFields  
ImportSolution  
ListMatchingVariations  
SetExcitationScaling  
SetTuningOffsets

EditSources  
ExportForSpice  
ExportTransientData  
GetAdaptiveFreq  
GetAllSourcePhases  
GetAvailableVariations  
GetFieldType  
GetNetworkDataSolutionDefinition  
GetSourceContexts  
GetTransmissionLineNetworkData  
HasMatrixData  
ImportTable  
ListValuesOfVariable  
SetPortSourcesUsingVoltageAndCurrent  
TDRONReport

## oModule-ModelSetup

AssignArray  
EditArray  
IsArrayDefined

CreateOpenRegion  
GetArrayNames  
UpdateOpenRegionPadding

DeleteArray  
GetLatticeVectors

## oModule-FieldsReporter

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

AddMarkerToPlot  
CalcOp  
CalcWrite  
ChangeGeomSettings  
ClcMaterialValue  
CopyNamedExprToStack  
DeleteMarker  
DoesNamedExpressionExists  
EnterComplex Vector  
EnterLine  
EnterQty  
EnterSurf  
EnterVol  
ExportOnGrid  
GetFieldFolderNames  
GetTopEntryValue

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

HidePolarPlot  
ModifyFieldPlot  
RenamePlotFolder  
SetFieldPlotSettings  
SetPlotsSolutionContext  
ShowPolarPlot  
UpdateAllFieldsPlots

HideRadiatedPlotOverlay  
ReassignFieldPlot  
SaveFieldsPlots  
SetFieldTypeSettings  
SetPlotsViewSolutionContext  
ShowRadiatedPlotOverlay  
UpdateQuantityFieldsPlots

LoadNamedExpressions  
RenameFieldPlot  
SaveNamedExpressions  
SetPlotFolderSettings  
ShowAntennaParameterOverlay  
Test  
XForm

## oModule-RadField

AddAntennaOverlay  
DeleteFarFieldSetup  
EditAntennaOverlay  
EditNearFieldRectangleSetup  
ExportRadiationFieldsToFile  
GetInfiniteGroundPlaneCoordSystem  
InsertNearFieldLineSetup  
PasteRadFieldSetup

AddRadFieldSourceGroup  
DeleteNearFieldSetup  
EditFarFieldSphereSetup  
EditNearFieldSphereSetup  
ExportRadiationParametersToFile  
GetSetupNames  
InsertNearFieldRectangleSetup  
RenameSetup

CopyRadFieldSetup  
EditAntennaArraySetup  
EditNearFieldLineSetup  
EditRadFieldSourceGroup  
ExportRadiationSurfaceMeshAndFields  
InsertFarFieldSphereSetup  
InsertNearFieldSphereSetup

## 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	DeleteOutputVariable	DoesOutputVariableExist
EditOutputVariable	ExportOutputVariables	GetOutputVariableValue
GetOutputVariables	ImportOutputVariables	

**oModule-UserDefinedSolutionModule**

CreateUserDefinedSolution	DeleteUserDefinedSolutions	EditUserDefinedSolution
GetUserDefinedSolutionNames	GetUserDefinedSolutionProperties	