

# History and release notes for the Rohde&Schwarz EMI Test Receiver R&S ESCI

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## ESCI driver history

Revision	Date	Note
3.8.0	08/2006	<p>Driver update for ESCI Firmware 3.82 and ESU Firmware 3.83</p> <ul style="list-style-type: none"> <li>- ESU support added</li> <li>- New functions: <ul style="list-style-type: none"> <li>rscsi_checkModel</li> <li>rscsi_ParseCatalog</li> <li>rscsi_ResetRFInputAttenuationProtection</li> <li>rscsi_SetRFInputType</li> <li>rscsi_GetRFInputType</li> <li>rscsi_ConfigureInputMixerLevel</li> <li>rscsi_SetInputMixerLevelState</li> <li>rscsi_GetInputMixerLevelState</li> <li>rscsi_SetInputMixerPower</li> <li>rscsi_GetInputMixerPower</li> <li>rscsi_SetMainPLLBandwidth</li> <li>rscsi_GetMainPLLBandwidth</li> <li>rscsi_SetFFTFilterMode</li> <li>rscsi_GetFFTFilterMode</li> <li>rscsi_SetIFBandwidth</li> <li>rscsi_GetIFBandwidth</li> <li>rscsi_SetTriggerOffsetAdjust</li> <li>rscsi_GetTriggerOffsetAdjust</li> <li>rscsi_SetTraceResetBehavior</li> <li>rscsi_GetTraceResetBehavior</li> <li>rscsi_ReadIQTraceDataMemoryAIQ</li> <li>rscsi_SetYIGCorrectionState</li> <li>rscsi_GetYIGCorrectionState</li> <li>rscsi_SetMarkerCoupling</li> <li>rscsi_GetMarkerCoupling</li> <li>rscsi_SetLinkMarkerAndDeltaMarkerState</li> <li>rscsi_GetLinkMarkerAndDeltaMarkerState</li> <li>rscsi_SetSquelchAnalyzer</li> <li>rscsi_GetSquelchAnalyzer</li> <li>rscsi_InitiateSpurious</li> <li>rscsi_SetPowerUnit</li> <li>rscsi_GetPowerUnit</li> <li>rscsi_SetPowerMode</li> <li>rscsi_GetPowerMode</li> <li>rscsi_QuerySignalStatisticCCDFLevel</li> <li>rscsi_SetStatisticsYAxisUnit</li> <li>rscsi_GetStatisticsYAxisUnit</li> <li>rscsi_SetMultiplePowerMeasurementAveraging</li> <li>rscsi_GetMultiplePowerMeasurementAveraging</li> <li>rscsi_SetHDistState</li> <li>rscsi_GetHDistState</li> <li>rscsi_SetNumberOfHDist</li> <li>rscsi_GetNumberOfHDist</li> <li>rscsi_SetHDistBandwidthState</li> <li>rscsi_GetHDistBandwidthState</li> <li>rscsi_AdjustHDistSettings</li> <li>rscsi_GetHDist</li> <li>rscsi_GetHDistHarmonicsList</li> <li>rscsi_SetSEMode</li> <li>rscsi_GetSEMode</li> <li>rscsi_ConfigureSESweepRange</li> </ul> </li> </ul>

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Revision	Date	Note
		rsesci_SetSESweepStart rsesci_GetSESweepStart rsesci_SetSESweepStop rsesci_GetSESweepStop rsesci_SetSESweepFilter rsesci_GetSESweepFilter rsesci_SetSESweepRBW rsesci_GetSESweepRBW rsesci_SetSESweepVBW rsesci_GetSESweepVBW rsesci_SetSESweepTimeAuto rsesci_GetSESweepTimeAuto rsesci_SetSESweepTime rsesci_GetSESweepTime rsesci_SetSESweepDetector rsesci_GetSESweepDetector rsesci_SetSESweepRefLevel rsesci_GetSESweepRefLevel rsesci_SetSESweepAttenuatorAuto rsesci_GetSESweepAttenuatorAuto rsesci_SetSESweepAttenuatorValue rsesci_GetSESweepAttenuatorValue rsesci_SetSESweepPoints rsesci_GetSESweepPoints rsesci_SetSESweepStopAfterSweep rsesci_GetSESweepStopAfterSweep rsesci_SetSESweepTransducerFactor rsesci_GetSESweepTransducerFactor rsesci_SetSEPreamplifierState rsesci_GetSEPreamplifierState rsesci_SEDeleteRange rsesci_GetSENumberOfListRanges rsesci_StoreSETToFile rsesci_ReadSEPeakList rsesci_InitiateFinalMeasurementTest rsesci_InitiateEMITest rsesci_SetVnetworkProtectionEarthFinalMeasurement rsesci_GetVnetworkProtectionEarthFinalMeasurement rsesci_SetVnetworkPhaseFinalMeasurement rsesci_GetVnetworkPhaseFinalMeasurement rsesci_SetVnetworkHighPass rsesci_GetVnetworkHighPass rsesci_SetSquelchReceiver rsesci_GetSquelchReceiver rsesci_GetCurrentResults rsesci_GetCurrentYResult rsesci_ConfigureTrackingGeneratorPowerSweep rsesci_SetTrackingGeneratorPowerSweepMode rsesci_GetTrackingGeneratorPowerSweepMode rsesci_SetTrackingGeneratorPowerSweepStart rsesci_GetTrackingGeneratorPowerSweepStart rsesci_SetTrackingGeneratorPowerSweepStop rsesci_GetTrackingGeneratorPowerSweepStop rsesci_TrackingGeneratorSaveAsTrdFactor rsesci_GetLimitLineCatalog rsesci_SetExternalReferenceOscillatorFrequency rsesci_GetExternalReferenceOscillatorFrequency

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Revision	Date	Note
		rresci_GetTransducerFactorCatalog rresci_DataSetCatalogLong rresci_SetHardcopyOutput rresci_GetHardcopyOutput rresci_CreateNewTestReport rresci_AppendTestReport rresci_SetTestReportDefaultSettings rresci_ConfigureTestReportPageSettings rresci_QueryTestReportPageSettings rresci_SetTestReportHeaderLineState rresci_GetTestReportHeaderLineState rresci_SetTestReportHeaderLogoState rresci_GetTestReportHeaderLogoState rresci_SetTestReportHeaderLineTitle rresci_GetTestReportHeaderLineTitle rresci_SetTestReportHeaderLineText rresci_GetTestReportHeaderLineText rresci_TestReportOperations rresci_LoadLogo rresci_GetTestReportCatalog rresci_ReadAdditionalMeasurementData rresci_AutomaticSignalSearch rresci_ConfigureAnalogDemodulationFilter rresci_SetAnalogDemodulationFilterState rresci_GetAnalogDemodulationFilterState rresci_SetAnalogDemodulationFilterFrequency rresci_GetAnalogDemodulationFilterFrequency rresci_SetAnalogDemodulationFilterDeemphasis rresci_GetAnalogDemodulationFilterDeemphasis rresci_SetAnalogDemodulationPhaseWrap rresci_GetAnalogDemodulationPhaseWrap rresci_SetAnalogDemodulationZeroPhaseRefPoint rresci_GetAnalogDemodulationZeroPhaseRefPoint rresci_GetAMModulationMeasurement rresci_SetReceiverDetectorWithCRMS rresci_GetReceiverDetectorWithCRMS rresci_SetCalibrationSignalDestination rresci_GetCalibrationSignalDestination rresci_SetCalibrationSignalVoltage rresci_GetCalibrationSignalVoltage rresci_SetCalibrationSignalPulseFrequency rresci_GetCalibrationSignalPulseFrequency rresci_SetCalibrationSignalBasebandSource rresci_GetCalibrationSignalBasebandSource rresci_SetYAxisScaleDivision rresci_GetYAxisScaleDivision rresci_SetAFFullSpan rresci_SetDemodulationBandwidth rresci_GetDemodulationBandwidth rresci_SetFrequencyFullSpan - Modified functions: rresci_SetInstrumentMode rresci_GetInstrumentMode rresci_SetMixedInstrumentMode rresci_GetMixedInstrumentMode rresci_SetFrequencyMode rresci_GetFrequencyMode

## ESCI driver history

Revision	Date	Note
		resci_SetLevelAxisUnit resci_GetLevelAxisUnit resci_SetSweepSpacing resci_GetSweepSpacing resci_SetTraceDetector resci_GetTraceDetector resci_SetCPACPStandard resci_GetCPACPStandard resci_SetNumberAdjacentChannels resci_SetNumberTXChannels resci_SetTXACPChannelBandwidth resci_GetTXACPChannelBandwidth resci_SetACPChannelSpacing resci_GetACPChannelSpacing resci_SetACPLimits resci_GetACPLimits resci_GetACPLimitCheckingResult resci_GetSignalAmplitudeStatistics resci_SetFinalReceiverDetector resci_GetFinalReceiverDetector resci_SetVnetworkType resci_GetVnetworkType resci_SetLimitLineUnit resci_GetLimitLineUnit resci_SetTransducerFactorUnit resci_GetTransducerFactorUnit resci_DataSetItems resci_WriteTraceData resci_ReadTraceData resci_SetExternalGeneratorPower resci_GetExternalGeneratorPower resci_SetTriggerLevel resci_GetTriggerLevel resci_GetLimitLineThreshold resci_MultipleBurstPowerMeasurementResult resci_MultipleBurstPowerMeasurementResultMinimum resci_GetExternalFM resci_setStatusRegister resci_getStatusRegister resci_SetAnalogDemodulatorResultDisplay resci_SetTimeDomainResultTypes resci_GetTimeDomainResultValues resci_SetTriggerSource resci_GetTriggerSource resci_SetTraceDetectorAuto resci_GetTraceDetectorAuto resci_SetSweepPoints resci_GetSweepPoints resci_SetMarkerZoom resci_error_message resci_CalibrationResults resci_init (for VXI-11) resci_close (for VXI-11)
1.0.4	02/2006	Modifications: - FORM ASCII restored after setting binary transfer
1.0.3	05/2005	Modifications: - VXIppnp msi installer changed (generated new GUID due to conflict with existing

<b>ESCI driver history</b>		
Revision	Date	Note
		installers)
1.0.2	09/2004	Modifications: - New function: rsesci_InitiateHardcopyToFile
1.0.1	08/2004	Modifications: - Remote-control command's description modified (removed colon ":" at begin) - Saving and Recalling Data Sets group is splitted (added File Group) - Group Firmware Update is extended with Compatibility Mode - New function rsesci_CompatibilityMode - Default instrument string is extended by "SYST:PRES:COMP OFF" command
1.0	07/2004	Created.

## **LabWindows/CVI**

### **Additional Help**

The LabWindows/CVI instrument driver consists of a ZIP archive containing the driver sources. In addition, the instrument driver documentation is also included in compressed HTML format (Windows CHM help file) and stored together with the driver sources.

## **VXIplug&play Instrument Driver for VEE, Visual Basic, Visual C++, Borland C++ etc.**

### **Additional Help**

In addition, the instrument driver documentation is also included in compressed HTML format (Windows CHM help file) and stored together with the driver sources in the ~\VXI\pnp\WinNT\rsesci directory.

### **Additional Information**

For more information regarding the VXIPnP instrument drivers, please read the readme.txt file that comes with each driver.