

# Ikon Science Software License Matrix 2024.1

BASE	<b>RokDoc PLATFORM</b> Prerequisite: none License feature: RokDoc_View_Only				Activates all data import/export, well viewer, inline/crossline/arb line viewers, pre-stack gather viewer, cross-plots, limited RokDoc 3D functionality (session building; scene 3D; cross-plot; spectra plot; map viewer), RokDoc workflows, log editing, <b>no RokDoc 2D</b>
	FUNCTIONALITY	KEY ASPECTS		PREREQUISITE	LICENSE FEATURE
SHARED	Shared RokDoc Functionality	Activates RPM, limited blocky ops, limited multi-well ops, limited batch ops, programmers (log; DVS; horizon), limited RokDoc 1D (Vp/Vs/Rho log prediction; log filtering), limited RokDoc 3D (limited utilities; phase rotation; band pass filter; seismic shift)		Activated by any one <b>MODULE</b> licence feature	no directly corresponding license feature
MODULE	<b>ROCK PHYSICS</b> Prerequisite: RokDoc Platform License feature: RokDoc_Expert				Activates all shared RokDoc functionality, full blocky ops, full multi-well ops, full batch ops, standard RokDoc 1D (including wavelet estimation/stretch&squeeze; fluid substitution; synthetic gather generation; AVO analysis), standard RokDoc 2D, integrated WellTie
	FUNCTIONALITY	KEY ASPECTS		PREREQUISITE	LICENSE FEATURE
ADD ONS	Advanced Well Tie	Activates wavelet estimation methods for broadband seismic (including Bayesian and parametric constant phase estimation)		Rock Physics	RokDoc_Adv_WellTie
	Anisotropy	Activates all anisotropy modules (including blocky anisotropy; Thomsen parameter estimation; log anisotropy model builder; RokDoc 2D geological modelling anisotropy)		Rock Physics	RokDoc_Anisotropy
	VSP	Activates all VSP modules (including VSP analysis; 3C and 4C anisotropic VSP analysis; walk-away and walk-around analysis)		Rock Physics	RokDoc_VSP
	Attrimod	Activates Attrimod (multi-2D seismic forward modelling tool)		Rock Physics	Attrimod
MODULE	<b>RESERVOIR CHARACTERISATION</b> Prerequisite: RokDoc Platform License feature: RokDoc_QED_Upgrade				Activates all shared RokDoc functionality, horizon toolbox, standard RokDoc 3D (including CoViz 3D viewer; full geological modelling; fluid substitution; synthetic generation; Bayesian classification; spectral merge; RPM forward/reverse modelling; multi-realisation analysis; create angle stacks; 3D quantity calibration)
	FUNCTIONALITY	KEY ASPECTS		PREREQUISITE	LICENSE FEATURE
ADD ONS	Seismic Inversion	Activates in RokDoc 3D seismic data conditioning workflow, petrophysical reflectivities, various methods of inversion (including simultaneous; PP-PS sim inv; model-based; coloured; band limited), radon demultiple, PP-PS alignment		Reservoir Characterisation	RokDoc_Inversion
	Advanced SDC	Activates in RokDoc 3D advanced seismic data conditioning (including time shift estimation; dip estimation; structure oriented filtering; frequency slice filtering; gradient stabilisation; spectral shaping)		Reservoir Characterisation	SDC_ADV
	Ji-Fi	Activates 'interactive' mode joint impedance facies inversion (Ji-Fi) method in RokDoc 3D (including PP-PS) and 'export 3D'		Reservoir Characterisation	Ji_Fi & Ji_Fi_Export
	Ji-Fi IQP	Activates 'interactive' mode IQP joint impedance facies inversion method in RokDoc 3D and 'export 3D' realisation		Reservoir Characterisation	Ji_Fi_IQP & Ji_Fi_IQP_Export
	Delivery	Activates access from RokDoc 3D to CSIRO's petro-elastic inversion method known as Delivery		Reservoir Characterisation	RokDoc_Delivery
	4D Reservoir Monitoring	Activates 4D enabled RokDoc 3D plus all 4D functionality		Reservoir Characterisation	4D_Reservoir_Monitoring
MODULE	<b>PRESSURE PREDICTION</b> Prerequisite: RokDoc Platform License features: RokDoc_GeoPressure				Activates all shared RokDoc functionality, PressureView, vertical stress (overburden) generator, shale trend, normal compaction trend, pore pressure calculator (comprising stress ratio trend; Poisson's ratio trend; fracture pressure calculator; FPC QC plot)
	FUNCTIONALITY	KEY ASPECTS		PREREQUISITE	LICENSE FEATURE
ADD ONS	Geomechanics	Activates image log interpretation, geomechanical workflows, Mohr-Coulomb plot, stress polygon plot, various calculators, various stereonet, geomechanics calculators in RokDoc 3D		Pressure Prediction	RokDoc_Geomechanics
	Seismic Pressure Calculator	Activates in RokDoc 3D limited geological modelling, seismic velocity calibration, seismic pressure calculator, geobodies		Pressure Prediction	Seismic_Pressure

## EXTRAS [for RokDoc]

FUNCTIONALITY	KEY ASPECTS	PREREQUISITE	LICENSE FEATURE
<b>External Interface</b>	Activates the External Interface for Python plug-ins (logs/DVS/gathers/RPMs/quantities/pressure sets)	RokDoc Platform	RokDoc_PluginsFunction
<b>Deep QI</b>	Activates rock physics machine learning, deep neural network (regression; classification), random forest (regression), support vector machine (regression; classification), unsupervised clustering, DNN multi-mineral petrophysics	RokDoc Platform	Deep_QI
<b>MPI</b>	Activates cluster-based distributed processing for 'export 3D' realisation for Ji-Fi; time shift estimation; dip estimation; structure oriented filtering; frequency slice filtering	RokDoc Platform + Reservoir Characterisation	MPI & MPI_Export
<b>RokDoc Interconnector plug-in for Petrel*</b>	Activates numerous bi-directional functions including Vs log prediction, synthetic generation, wavelet extraction, RokDoc 2D/3D modelling, integrated WellTie, save as .rok, import .rok	RokDoc Platform (+ Rock Physics) + Petrel*	RokDoc_PETREL
<b>OpenSpirit link</b>	Activates the OpenSpirit link data selector	RokDoc Platform	RokDoc_OpenSpirit_Adaptor

## STANDALONE WELLTIE [independent of RokDoc]

FUNCTIONALITY	KEY ASPECTS	PREREQUISITE	LICENSE FEATURE
<b>Standalone WellTie with Interconnector plug-in for Petrel*</b>	Activates standalone WellTie with QC summary table & sequential workflow (including cross-plot; Vp prediction; Vs prediction; Rho prediction; log editing; depth-time conversion; wavelet estimation/stretch&squeeze), plus bi-directional link between Petrel* & standalone WellTie	Petrel*	RokDoc_WellTie & WellTie_PETREL

<b>BASE</b>	<h3>CURATE DATA ACCESS</h3> <p><b>Prerequisite:</b> none <b>License feature:</b> Curate_Base</p>	Activates Curate platform, project creation & access, limited data export, data set & document listing/preview/download, 'collaborative workspace', map-based data visualisation, quick data filtering options, spatial polygon selection, user permissions [admin role only]
-------------	--	---

<b>BASE+MODULE</b>	<h3>CURATE DATA CONSUMER</h3> <p><b>Prerequisite:</b> none <b>License feature:</b> Curate_Base &amp; Essential_Apps</p>	Activates all Data Access functionality, plus; Data Explorer app, Mapping and Contouring app, Well Correlation app, Well Viewer app, Seismic Viewer app
--------------------	---	---

ADD ON	FUNCTIONALITY	KEY ASPECTS	PREREQUISITE	LICENSE FEATURE
	<b>Well Surveillance</b>	Activates WITSML feed, pressure view, mudweight view, overpressure view, pore pressure model, fracture gradient model	Data Consumer or Data Manager	Well_Surveillance

<b>BASE+MODULE</b>	<h3>CURATE DATA MANAGER</h3> <p><b>Prerequisite:</b> none <b>License feature:</b> Curate_Base &amp; Essential_Apps &amp; Data_Admin</p>	Activates all Data Access & Data Consumer functionality, plus; Admin Toolkit app (all data loading & standardisation; data model management), data & presentation settings
--------------------	---	--

ADD ON	FUNCTIONALITY	KEY ASPECTS	PREREQUISITE	LICENSE FEATURE
	<b>Well Surveillance</b>	Activates WITSML feed, pressure view, mudweight view, overpressure view, pore pressure model, fracture gradient model	Data Manager or Data Consumer	Well_Surveillance

BASE	<b>iPoint PLATFORM</b> <b>Prerequisite: none</b> <b>License feature: iMine &amp; Search_and_Report</b>				Activates the iPoint Dashboard, iMine, Search & Report, Briefcase, Crossplots, Ternary Charts, ArcGIS, Documents and the Data Basket
	INCLUDED	FUNCTIONALITY	KEY ASPECTS	PREREQUISITE	LICENSE FEATURE
		<b>iMine, Search &amp; Report</b>	Activates iMine for examination of data and images using matrices, charts, lists, and statistics; also activates Search & Report for advanced searching and customised reports	None	iMine Search & Report
MODULE	<b>VIZ POINT</b> <b>Prerequisite: iPoint Platform</b> <b>License feature: Viz_Point</b>				Activates depth visualisation of the wellbore data and images using a multi-scaled synchronised layout
	ADD ONS	FUNCTIONALITY	KEY ASPECTS	PREREQUISITE	LICENSE FEATURE
		<b>Interpretation Tools</b>	Activates all interpretation tools; curve calculator, discrete point, interval fills, interactive shift creation, well pick analyser, splice & de-spike tool, well correlation	Viz Point	Interpretation_Tools
		<b>Petrophysics</b>	Activates Petrophysics workflow allowing for deterministic workflow with documented equations	Viz Point	Petrophysics
MODULE	<b>PROCESSING POINT</b> <b>Prerequisite: iPoint Platform</b> <b>License feature: Processing_Point</b>				Activates advanced export tool to enable batch data export across multiple wells or disciplines
MODULE	<b>ADMIN TOOL</b> <b>Prerequisite: iPoint Platform</b> <b>License feature: Admin_Tool</b>				Activates the backend administration tools; project setup, adding & editing of wells, data & images, data standardisation, QC user management, active directory
MODULE	<b>iPointWeb</b> <b>Prerequisite: iPoint Platform</b> <b>License feature: iPointWeb</b>				Activates web-based versions of the Dashboard, iMine, Search & Report and ArcGIS
	ADD ON	FUNCTIONALITY	KEY ASPECTS	PREREQUISITE	LICENSE FEATURE
		<b>iViz</b>	Activates web-based version of Viz Point; publish layouts from Viz Point to make accessible on iPointWeb	iPoint Platform + VizPoint	iViz