Ikon Science Software License Matrix 2024.2

BASE		
RokDoc PLATFORM **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, **no RokDoc 2D**

SHARED

FUNCTIONALITY	KEY ASPECTS	PREREQUISITE	LICENSE FEATURE
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 **MODULE** licence feature	no directly corresponding license feature

MODULE

ROCK PHYSICS		
ROCK PHYSICS **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

ADD ONS

FUNCTIONALITY	KEY ASPECTS	PREREQUISITE	LICENSE FEATURE
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

RESERVOIR CHARACTERISATION		
RESERVOIR CHARACTERISATION **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)

ADD ONS

FUNCTIONALITY	KEY ASPECTS	PREREQUISITE	LICENSE FEATURE
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

PRESSURE PREDICTION		
PRESSURE PREDICTION **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)

ADD ONS

FUNCTIONALITY	KEY ASPECTS	PREREQUISITE	LICENSE FEATURE
Geomechanics	Activates image log interpretation, geomechanical workflows, Mohr-Coulomb plot, stress polygon plot, various calculators, various stereonets, 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
External Interface	Activates the External Interface for Python plug-ins (logs/DVS/gathers/RPMs/quantities/pressure sets)	RokDoc Platform	`RokDoc_PluginsFunction`
Deep QI	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`
MPI	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`
RokDoc Interconnector plug-in for Petrel*	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`
OpenSpirit link	Activates the OpenSpirit link data selector	RokDoc Platform	`RokDoc_OpenSpirit_Adaptor`

STANDALONE WELLTIE [independent of RokDoc]

FUNCTIONALITY	KEY ASPECTS	PREREQUISITE	LICENSE FEATURE
Standalone WellTie with Interconnector plug-in for Petrel*	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`

BASE

CURATE DATA ACCESS
Prerequisite: none
License feature: `Curate_Base`

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]

BASE+MODULE

CURATE DATA CONSUMER
Prerequisite: none
License feature: `Curate_Base` **&** `Essential_Apps`

Activates all Data Access functionality, plus; Data Explorer app, Mapping and Contouring app, Well Corelation app, Well Viewer app, Seismic Viewer app

ADD ON

FUNCTIONALITY	KEY ASPECTS	PREREQUISITE	LICENSE FEATURE
Well Surveillance	Activates WITSML feed, pressure view, mudweight view, overpressure view, pore pressure model, fracture gradient model	Data Consumer or Data Manager	`Well_Surveillance`

BASE+MODULE

CURATE DATA MANAGER
Prerequisite: none
License feature: `Curate_Base` **&** `Essential_Apps` **&** `Data_Admin`

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
Well Surveillance	Activates WITSML feed, pressure view, mudweight view, overpressure view, pore pressure model, fracture gradient model	Data Manager or Data Consumer	`Well_Surveillance`

BASE	**iPoint PLATFORM** **Prerequisite: none** **License feature:** `iMine &` `Search_and_Report`		Activates the iPoint Dashboard, iMine, Search & Report, Briefcase, Crossplots, Ternary Charts, ArcGIS, Documents and the Data Basket	

	FUNCTIONALITY	KEY ASPECTS	PREREQUISITE	LICENSE FEATURE
INCLUDED	**iMine, Search & Report**	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	**VIZ POINT** **Prerequisite: iPoint Platform** **License feature:** `Viz_Point`		Activates depth visualisation of the wellbore data and images using a multi-scaled synchronised layout	

	FUNCTIONALITY	KEY ASPECTS	PREREQUISITE	LICENSE FEATURE
ADD ONS	**Interpretation Tools**	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`
	Petrophysics	Activates Petrophysics workflow allowing for deterministic workflow with documented equations	Viz Point	`Petrophysics`

MODULE	**PROCESSING POINT** **Prerequisite: iPoint Platform** **License feature:** `Processing_Point`		Activates advanced export tool to enable batch data export across multiple wells or disciplines	

MODULE	**ADMIN TOOL** **Prerequisite: iPoint Platform** **License feature:** `Admin_Tool`		Activates the backend administration tools; project setup, adding & editing of wells, data & images, data standardisation, QC user management, active directory	

MODULE	**iPointWeb** **Prerequisite: iPoint Platform** **License feature:** `iPointWeb`		Activates web-based versions of the Dashboard, iMine, Search & Report and ArcGIS	

	FUNCTIONALITY	KEY ASPECTS	PREREQUISITE	LICENSE FEATURE
ADD ON	**iViz**	Activates web-based version of Viz Point; publish layouts from Viz Point to make accessible on iPointWeb	iPoint Platform + VizPoint	`iViz`