Release Notes
T7.3 Release

TSEVEN

CONTENTS

INTRODUCTION

T7.3 is the successor to T7.2. This document briefly describes the new features and functionality introduced in the T7.3 software.

PROJECT UPGRADE

UPGRADING TRAPTESTER 5.x, 6.x, 7.0x PROJECTS

Old TrapTester & T7.2 projects are upgraded automatically when they are opened in T7.3. Note that in the Project Manager, the 5.x and 6.x projects are labelled with a “V” (vintage) value of 4, 5 and 6 respectively. When they are upgraded the “V” value is incremented to 7. Note also that the T7.3 project directory extension is “.T7” – pre-T7.0 (TrapTester) projects will be re-branded with the new extension as they are upgraded.

As part of the upgrade the user will be asked whether to update project resources such as Volume Editor display methods, styles, shortcuts etc. Note however, that the template update may overwrite or remove some or all of your own project templates, so this step should be taken with caution.

NOTE: **Once an older project is upgraded to T7.3 the project can NOT be opened using earlier versions of the software. It is recommended that you backup the original project BEFORE converting it to T7.3.**

NOTE: **The new T7.3 Volume Editor default shortcuts will be copied to the upgraded project regardless of whether the user chooses to update the project resources. This is because the context sensitive toolbar in the Volume Editor is heavily reliant on an extended set of shortcuts. The old default shortcuts file will be automatically renamed as "defaults.###" where ### is the older version number.**

OPERATING ENVIRONMENTS

T7.3 includes 64-bit run-time distributions for the following platforms:

Linux (certified for RedHat Enterprise 7, 8, 9; Ubuntu 18.04, 20.04, 22.04, 24.04 LTS)

Windows MKS (certified for Windows 64-bit 10, 11)

LICENSING

T7.3 is shipped with version 11.18.2 of the FlexLm licensing system. The current list of T7.3 Licensed features and their functionality is shown in the table below:

T7Core	Project management, Direct-Links, ASCII I/O, , TD-conversion, structural modelling, attribute plotting, fault statistics, well editor, attribute calculator, horizon volume utility, image capture tool
T7Seismic	Seismic tools, interpretation tools
T7Triangle	Stand-alone Triangle (1D fault seal analysis) system, Project management, Direct-Links, relevant ASCII I/O, well editor, attribute plotting, attribute calculator, image capture tool.
T7Seal	Triangle, 3D fault seal analysis, stress analysis, discrete fractures, trap analysis, pressure analysis
T7Frac	Stress analysis, Fracture prediction, discrete fractures
T7FracNet	Discrete fractures (I/O & workflows)
T7Grid	Cell model I/O, creation, editing & property modelling
T7TransGenFRP	A sub-system for deriving fault transmissibilities for cellular models.
T7TransGenFZM	A system for modelling the effects of drag and relay zones as an add-on to TTTransGenFRP
T7WindowsMKS	T7 Windows subsystem
T7Commercial	This feature indicates a non-academic license

The set of features active at any given install-site will depend on the package(s) that have been purchased.

All licensed feature versions for the T7.3 release are “7.3” meaning that all existing 7.2 users will require a new FlexLm license file. However, a 7.3 license may be used to run 7.04x (or later) applications.

DIRECT DATA IMPORT/EXPORT

The following table indicates the direct links to third-party software that are supported by T7.2.

3rd Party System	Supported O.S.	Link configuration required	Seismic Interp. I/O	Well Data I/O	Seismic Data Access
DecisionSpace ep2 – ep5	RHEL 7,8,9 Ubuntu 18.04, 20.04, 22.04 Windows 10,11	NO	Import/Export	Import/Export	Import/Export
Petrel 2021/22/23/24	Windows 10,11	NO	Import/Export	Import/Export	Import/Export

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NEW FEATURES IN T7.3

In addition to ongoing enhancements and improvements to the overall architecture, visualisation, geometry engine and direct links to third-party systems T7.3 brings the first official release of several new systems. The following list of new features is documented more fully in the T7.3 NewFeatures PDF and further details can be found in the main T7 reference documentation.

- Fault Surface Selection Tool
- StrataCube Display & Control
- StrataCube Volume-Based Inputs to 3D-Stress Scenarios
- Present-Day Stress Attributes for FaultED Observation Surfaces
- Support for VDS 3D Seismic Volumes
- Shared memory volume cache for Sections
- Structure Colour Fill Extended to Box-Probes
- Principal Stress Attributes for Horizons, Faults, Fracture Networks
- Improved Culture Image Load & Positional Editing
- Seismic Slicer Extended for Strata-Cube Attribute Volumes
- Feature Density Volume Creation
- Petrel/T7 Export Support for Cellular Fault Attribute Transfer
- Petrel/T7 Export Support for FaultED Field-Lines
- Support for import and visualisation of Petrel Well Point logs
- Function to Move Whole Fault Segments on Sections
- Colour Options for Framework Polygons
- Support for SHAPE Point-Set ASCII Import/Export
- Project Extents Option to Include/Exclude Deactivated Data
- Well Editor – Horizon Pick Alignment
- Table-Based Managers for Fault Polygons & Fault Segments
- Throw Auto-tracker Auto-Mode for Maximum Displacement
- Stress Scenario Gradient Inputs
- Display Method Import Tool
- Display Method Colourmap & Filter Copy Tool
- Improvements to the Volume Editor Object Tree
- Zonal attribute table in Horizon Pick dialog
- Colourmap Preview & Selection Lists