

■ Reconcilor

Release Notes

Reconcilor v9.3.6

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WHAT'S NEW FOR RECONCILOR 9.3.6

Reconcilor embeds and integrates the knowledge from our mining engineers, geologists, metallurgists and planners and when it is used to standardise operations across multiple sites, it enables sophisticated analysis and guidance to trouble-shoot and optimise multiple sites.

Snowden's Reconcilor has been developed to deliver this as a COTS (Commercial Off-the-Shelf) offering, with the added potential to enhance or supersede the existing functionality present in earlier versions of the product. Reconcilor assists key stakeholders on site and at head office to quickly see how operations are performing, get early notification of any issues and take action to resolve them.

This is a **minor version** update for Reconcilor. It is focused on:

- Integrating the IntelliSense Digital Stockpile (advanced 3D stockpile modelling) grades/qualities into the Reconcilor stockpile balance table to provide an improved grade/quality on the crusher feed movements.
- Adding a new comparison value "Stockpile Delta" into the trends module for increased analysis around stockpiles.
- Adding a calculated comparison values into the mine value chain on the Continuum

Digital stockpile integration

Pre-requisite - Digital Stockpile must be implemented with selected stockpiles modelled

The integration of Reconcilor with stockpile model data from Digital Stockpile, allows the import of more accurate information for stockpile reclaim grades.

The benefit of this feature to site is that there will be a better estimate of grade delivered to the plant. Importing the data into Reconcilor will initiate the import and data health engine to ensure all business rules are met, providing confidence in the data prior to analysis and reporting.

There are two main components to this feature, as outlined in the table 1. The user will not see any physical changes to the stockpile module in Reconcilor, rather the stockpile balances and grades for those stockpiles modelled by Digital Stockpile will be available from the Reconcilor User Interface.

Table 1 Digital Stockpile Integration components

<p>Haulage/Dispatch/Fleet Events</p>	<p>Provides haulage movements with updated grade (quality and contaminants) information calculated from the Digital Stockpile spatial models. The updated grade information is typically provided for movements that are reclaiming ore from stockpiles for delivery to the crusher and is potentially more accurate than the weight average grade data calculated within Reconcilor.</p> <p>The interface can also supply corrected load and/or dump locations where Digital Stockpile has found that the Fleet Management System (FMS) locations are not aligned with the associated dump/load GPS coordinates.</p> <p>The fleet event data supplied from Digital Stockpile is merged with the raw FMS data using the Truck Id and timestamp associated with each movement.</p>
<p>Stockpile Metrics</p>	<p>Provides hourly stockpile balance (tonnes and grade) information for the requested time period. The balance information is calculated from a snapshot of the Digital Stockpile spatial model at the specified time.</p> <p>This data is imported into Reconcilor as Stockpile Adjustments.</p>

Stockpile Delta comparison value

The Reconciler comparison values now includes the change in balance (stockpile delta) over time. This can be used in derived comparison value calculations.

Calculated comparison values

The Reconciler comparison values now include the ability to derive a calculated comparison value and to be shown on the continuum module.

Some clients have opted to show the Declared Ore Mined metric on the continuum for reporting purposes. This comparison value incorporates the new Stockpile Delta comparison value in its calculation. Other derived comparison values can be configured.

MORE INFORMATION

The following general resources are available to help you use your product:

- **Integrated Online Guidance:** your product online guidance (information icon in top right of the User Interface Shell) is your first stop for assistance and contains a wealth of information, including the latest information about this version.
- **Online video tutorials:** check out our YouTube channel for video tutorials for step-by-step guides to some of our more complex features.

<https://youtube.com/Reconcilor>

- **Support Portal:** The Datamine Support Portal allows you to get in touch with our global support teams for direct assistance with any software related issues.


<https://datamine.freshdesk.com/en/support/login>

The support portal also hosts the:

- Reconcilor FAQ's <https://datamine.freshdesk.com/en/support/solutions/Reconcilor/FAQ>
- Reconcilor Basic Troubleshooting <https://datamine.freshdesk.com/en/support/solutions/Reconcilor/BasicTroubleshooting>
- **Latest version:** The latest 9.3.5 release version can be upgraded by contacting your Snowden Reconcilor consultant.

RESOLVED TICKETS – RECONCILOR V9.3.5

 A new feature













 An enhancement to an existing function or feature



















 A bug fix



















The following tickets have been resolved since the last released version of Reconcilor:











For more information on individual cases, please refer to your online guidance, or contact your local support representative.



Resolved Tickets

ID	Type	Description
SM-1711		Declared Ore Mined - new metric
SM-2180		Support comparison values derived from existing comparison values using mathematical operators
SM-2191		Definition of Comparison Value Type Inference Rules
SM-2192		Register a Derived Comparison Value Calculator (DCVC) agent
SM-2193		Trigger DCVC calculation on generation of new Comparison Values
SM-2194		Inferred Comparison Value Calculation - ICVC implementation
SM-2311		Derived CVC - Ability to filter a term for an Entity Group
SM-2548		Derived CVC - ensure comparison values that use a wet tonnes basis are grade weighted by dry tonnes
SM-2842		Pipeline Error: Missing System.Linq.Dynamic.Core.dll
SM-2857		Derived CVC does not delete outdated/obsolete ComparisonValue records
SM-3175		Digital Stockpile
SM-3409		Import Definition Tool : Add Import Types

SM-3442		Attribute imports can skip attributes under certain conditions
SM-3466		Trends and Model Comparison duplicates numbers when stacking
SM-3483		Stockpile Adjustment screen not filtering correctly
SM-3495		Crusher Feed - grouping and sorting by location
SM-3504		Disable services without having the UI notify end users
SM-3528		Stockpile Adjustment import shift resolution from date only
SM-3545		JSON Import proxy authentication
SM-3553		EF RawMovementBridging key resolution for data issues error
SM-3554		Moisture resolution helper divide by 0
SM-3558		DataHealth API failing to run
SM-3560		System Health - Import Activity - Import job failed incorrectly
SM-3561		System Health - Import Activity - Space missing in Digital Stockpile Adjustments parameters
SM-3566		Attribute set removal agent doesn't check bridging table
SM-3567		Attribute set removal doesn't unflag incorrectly flagged entries
SM-3580		Filters are returning incorrect results due to timezone
SM-3583		Stockpile Adjustment Imports
SM-3588		Uplift all .net core 2.1 projects
SM-3589		Stockpile Adjustments - closing balances not calculating correctly

SM-3591		pre-deployment script leaves attribute set behind
SM-3597		No moisture value in model causes Continuum to return no data
SM-3598		DOM only created for the day shift
SM-3603		Continuum not working - Database query crashes when ComparisonValueId > int
SM-3607		Require ability to specify start and end date parameters for Digital Stockpile imports
SM-3608		Uplift Azure Hosted environment to pool: vmImage: windows-latest
SM-3611		Gold Demo: Missing Cu grade from the stockpile analysis table
SM-3615		Stockpile Management - In View Stockpile screen, icon appears incorrectly in Wet Tonnes field
SM-3616		Stockpile Analysis - Operation Failed error appears on navigation
SM-3617		Exception thrown in by MinePlanCVC
SM-3618		Grade Block - View Grade Block - Operation Failed error appears on navigation
SM-3619		System Health - Data Health - Server Error appears on navigation
SM-3622		Continuum Wont Display data if you have date range as a single day and Material Type as anything but Ore
SM-3623		Post deploy Attribute Set schema change script not dropping temp table
SM-3628		Movement CVCs comparison value ID data type incorrect
SM-3630		Block Model activation screen does not support shift resolution
SM-3634		Stockpile Balancing comparison issues
SM-3636		Derived CVC slow performance

SM-3640		Issues with Digital Stockpile Adjustment Import when used with TimePeriodTypeId = 1
SM-3644		Digital Stockpile "Fleet Events" import not deleting records during sync
SM-3645		Digital Stockpile "Fleet Events" import not processing any records with certain parameter combinations
SM-3659		BMCVC throws Object reference exception if Entity grade data is missing
SM-3661		Attribute set hash population order issue
SM-3664		Block model by haulage CVs missing volume
SM-3665		Derived CVC existing values unable to be deleted
SM-3666		Crusher Feed - missing metrics when mine plan is selected
SM-3679		Movements with unknown source cause grade dilution on Crusher Feed screen
SM-3681		Block import times out on large dataset
SM-3714		Continuum configure data closes randomly
SM-3715		Unable to assign a stockpile to a new Group via Stockpile Management screen
SM-3720		Continuum & Material Movement grade dilution
SM-3723		XplatGenerateReleaseNotes throwing errors
SM-3730		MPCVC throwing error in 93x
SM-3731		DACPAC pre/post deploy scripts incorrect naming
SM-3735		Import Api Url is incorrect in the default installer
SM-3739		Import API to support custom source content table

SM-3740		Create sample configurations for Digital Stockpile integration
SM-3783		Mining Analysis dilution