VIAVI

StrataSync 12.0

Release Notes

Notice

Every effort was made to ensure that the information in this manual was accurate at the time of printing. However, information is subject to change without notice, and VIAVI reserves the right to provide an addendum to this manual with information not available at the time that this manual was created.

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Summary of StrataSync 12.0 Changes

- New features
    - Workorder assignment to Organization via UI
    - Workorder assignment to Organization via Generic Workflow JSON API
    - Workorder cancellation and re-activation or delete via UI
    - Workorder deletion via Generic Workflow JSON API
    - Test Data list view updates
    - Workorder auto-purge
    - Test results file URL passed as metadata via Test Results JSON API
    - Deletion of test results files via Test Results JSON API
- General improvements / Bug fixes
- Known issues

New features

Workorder assignment to Organization via UI

StrataSync now supports assigning generic and cable workorders to an organization instead of a technician via the UI. For cable workorders, this is achieved via the **Work Orders > CATV Work Orders** view. For generic workorders of type 'viaviJob', this is achieved via the **Work Orders > Other Work Orders** view. Other work order types are not supported (e.g. 'fiberJob').

This functionality allows a user with the appropriate permissions the ability to assign/re-assign a workorder to an organization which could represent a sub-organization, regional team or even a contractor group – this then allows an admin user within that organization to later assign the workorder to one of their technicians. Therefore, this functionality allows hierarchical multi-step workorder assignments from 'higher' organizations (who may not know or have the authority to assign to specific technicians, but know which sub-organization is supposed to complete the workorder) to more focused 'lower' organizations (who can assign to individual technicians). Workorders can also be created initially via the Cable Workflow JSON API (technician assignment-only) or Generic Workflow JSON API (organization or technician assignment), and then reassigned via the UI.

Please note that workorders still require assigning to a technician for deployment to the test instrument.

Also note that the introduction of this functionality is the first time cable workorders can be assigned/re-assigned via the UI to technicians or organizations.

In the workorders view, right-clicking on a specific workorder, or selecting a workorder and then clicking the **Actions** button will present an **Assign** option. Clicking this will open the **Technician Assignment** window shown below.
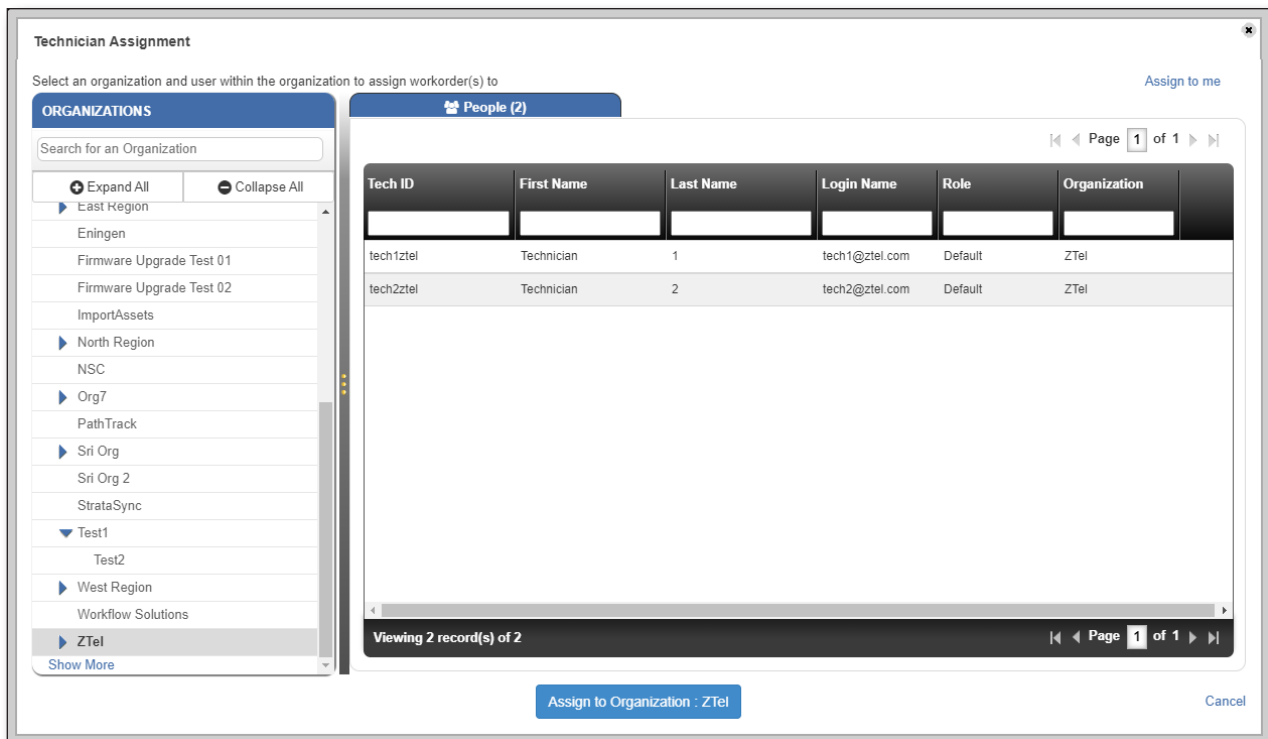
A user can navigate the organizations section on the left and select a specific organization ("ZTel" in this example), and the **Assign** button text changes to reflect the current selection (in this case **Assign to Organization: ZTel**). The user can still assign to technicians by selecting a technician in the currently selected organization, in which case the assignment button text will change to reflect the 'techId' of the selected technician (e.g. **Assign to TechId: 57311**). When you assign a workorder to an organization, the 'State' of the workorder is changed to "STARTED".

If you assign a workorder to a technician, the 'State' of the workorder is changed to "ASSIGNED". Whenever you assign a workorder via the UI, a warning popup window will display indicating that by reassigning a workorder which is already deployed or in-progress, you will remove that original assignment or reset the workorder compliance if in-progress with already uploaded test results.
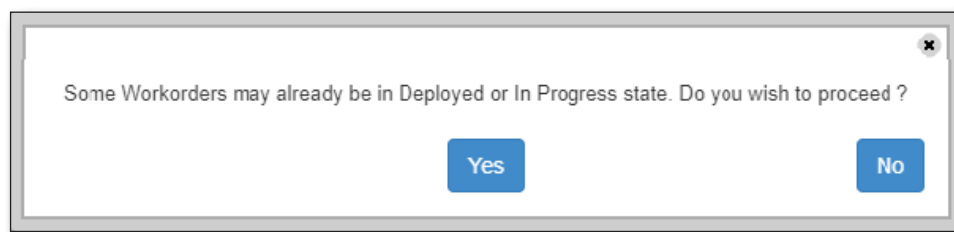
This screenshot example shows that the workorder "JOBMJP7MAYCATV003" has been assigned to an organization and the 'State' has been set to "STARTED". This workorder would require further assignment to a technician before it could be deployed to a test instrument.

Schedule Date	WorkOrder Id	Workflow ID	Type	Type Name	State	Status	Tests Taken	Tech Id	First Name	Last Name	Total Pass	Tot
5/11/21	JobMJP11MAYFIBER001	679,425	viaviJob		DEPLOYED	Incomplete	0 of 6	mjp008	Michael	Proctor	0	0
5/10/21	JOBMJP10MAYCATV001	677,926	viaviJob		DEPLOYED	Incomplete	0 of 1	mjp007	Michael	Proctor	0	0
5/10/21	JOBMJP10MAYCATV002	677,928	viaviJob		DEPLOYED	Incomplete	0 of 3	mjp007	Michael	Proctor	0	0
5/10/21	JOBMJP10MAYCATV003	677,932	viaviJob		INPROGRESS	Fail	1 of 3	mjp007	Michael	Proctor	0	1
5/10/21	JOBMJP10MAYCATV004	677,936	viaviJob		COMPLETED	Fail	3 of 3	mjp007	Michael	Proctor	0	3
5/10/21	JOBMJP10MAYCATV005	677,943	viaviJob		COMPLETED	Fail	3 of 3	mjp007	Michael	Proctor	0	3
5/10/21	JobMJP10MAYFIBER001	677,947	viaviJob		INPROGRESS	Fail	1 of 12	mjp007	Michael	Proctor	0	1
5/10/21	JobMJP10MAYFIBER002	677,970	viaviJob		INPROGRESS	Fail	1 of 6	mjp007	Michael	Proctor	0	1
5/10/21	JOBMJP10MAYCATV006	677,977	viaviJob		COMPLETED	Fail	3 of 3	mjp007	Michael	Proctor	0	3
5/10/21	JOBMJP10MAYDSL001	677,981	viaviJob		COMPLETED	Fail	3 of 3	mjp007	Michael	Proctor	1	2
5/7/21	JOBMJP7MAYCATV003	676,664	viaviJob		STARTED		0 of 3				0	0

Users can always review per-workorder who/what created the workorder via the 'Created By' column (e.g. "APIClient"), as well as the most recent modifier via the 'Modified By' column (e.g. "System" or the username of the user assigning via the UI).

Up to ten workorders can be assigned to an organization at a time. Customers must be licensed for workorder integration to utilize this capability (either ANALYTICS or ENTERPRISE WORKFLOW subscription plans or legacy workorder integration licensing).

Workorder assignment to Organization via Generic Workflow JSON API

StrataSync now supports assigning a workorder of type 'viaviJob' to an organization (previously only supported assignment to a technician) via the Generic Workflow JSON API. Please note that, unlike the UI capability, organization assignment for workorders of type 'cableJob' via the Cable Workflow JSON API is not supported. Also, any existing organization assignment supported by proprietary workorder interfaces is unaffected.

Assignment to an organization is achieved using the new cdm.workflow.dispatch object by specifying either the 'orgId' (an internal unique organization ID available for query via the Organizations JSON API) or the 'fullOrgPath' (a dot/period-separated string containing the full organization hierarchy from the root organization). Please note that an API error response will be generated if both 'orgId' and 'fullOrgPath' are provided. Also, an API error response will be generated if the cdm.workflow.techInfo object is defined as well as the cdm.workflow.dispatch object is defined, i.e. you cannot include an implied technician assignment using the cdm.workflow.techInfo object if you are also defining an organization for assignment using the cdm.workflow.dispatch object.

Please see the forthcoming Generic Workflow JSON API Developer Guide for further information regarding this feature. Customers must be licensed for workorder integration to utilize this capability (either the ENTERPRISE WORKFLOW subscription plan or legacy workorder integration licensing).

Workorder cancellation and re-activation or delete via UI

This capability allows a user with the appropriate permissions, to cancel workorders of types 'viaviJob' (from the **Work Orders > Other Work Orders** view), and 'fiberJob' and 'swissAssignment' (from the **Work Orders > Fiber Work Orders** view) manually via the UI. Cancelling a workorder removes all workorder compliance from being performed and allows these workorders to be filtered using the 'State' value of "CANCELLED".

Cancelled workorders can be re-activated, in which case workorder compliance is re-run against the current set of associated uploaded test results or can be permanently deleted.

Cancelling and re-activating workorders requires the 'Edit Work Orders' permission, and deleting workorders requires the 'Delete Work Orders' permission.

Please note these actions can only be performed one workorder at a time.

In the example below the workorder "JOBMJP10MAYCATV003" is selected and the **Cancel Workorder** action selected.

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The workorder 'State' has been updated to "CANCELLED".

| | | 5/10/21 | JOBMJP10MAYCATV003 | 677,932 | viaviJob | | CANCELLED | Fail | 1 of 3 | mjp007 | Michael | Proctor | 0 | 1 |

By selecting this same cancelled workorder you can select the **Make it Active** action, shown below.

This changes the workorder 'State' back to "INPROGRESS" – please note that the state could change to "COMPLETED" if the technician had subsequently uploaded all necessary test results and/or the other workorder stats like 'Tests Taken' may also be updated when a workorder is made active again.

| | | 5/10/21 | JOBMJP10MAYCATV003 | 677,932 | viaviJob | | INPROGRESS | Fail | 1 of 3 | mjp007 | Michael | Proctor | 0 | 1 |

A popup window is displayed giving the option to delete just the workorder, or delete the workorder and any associated test results uploaded by that time.
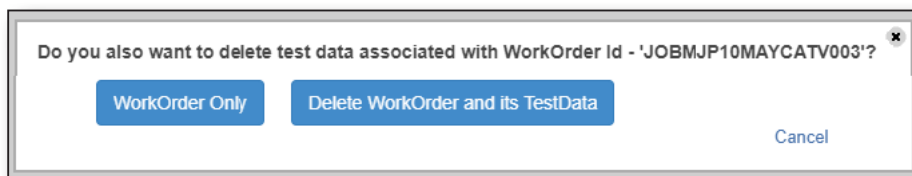
Depending on which option is selected, an appropriate confirmation message is displayed.

> ✔ Successfully deleted workorder and associated test data   ⊗

Customers must be licensed for workorder integration to utilize this capability (either ANALYTICS or ENTERPRISE WORKFLOW subscription plans or legacy workorder integration licensing).

Workorder deletion via Generic Workflow JSON API

Immediately deletes the workorder of type 'viaviJob' indicated by its unique 'workflowId'. Requires that the service username associated with the API credentials has the permission for deleting workorders. This query is different from the associated StrataSync web UI function which requires a user to first put the workorder into a CANCELLED state, before allowing the workorder deletion.

Request Example	
Type	DELETE
URL	https://{{base_url}}/api/v2/workflow/{{workflowId}}
{{workflowId}}	663097

Response Example	
HTTP Status	200 OK
Body	{ "httpStatus": 200, "type": "success", "message": "delete success", "serverTime": "2021-05-05T13:55:16Z" }

By default, this query does not delete any test results associated with the workorder being deleted. However, you can optionally delete workorder-associated test results by including the parameter "?deletetestdata=true" to the query as shown below.

Request Example	
Type	DELETE
URL	https://{{base_url}}/api/v2/workflow/{{workflowId}}?deletetestdata=true
{{workflowId}}	438878

Response Example	
HTTP Status	200 OK
Body	{ "httpStatus": 200, "type": "success", "message": "delete success", "serverTime": "2021-05-05T18:32:28Z" }

Please see the forthcoming Generic Workflow JSON API Developer Guide for further information regarding this feature. Customers must be licensed for workorder integration to utilize this capability (either the ENTERPRISE WORKFLOW subscription plan or legacy workorder integration licensing).

Test Data list view updates

To maintain overall system performance with increased customer usage, as well as providing better individual response times for common actions, several limits have been put in place for Test Data list view actions.

Export Table to CSV

For customers on a StrataSync BASE account (or the legacy CORE), users can select up to a maximum of 1,000 table rows (each row representing the metadata for a test data file) to export to a CSV file. Customer accounts with any new StrataSync subscription plan (PRO, ANALYTICS or ENTERPRISE WORKFLOW), or appropriate legacy PLUS licensing, will support users selecting up to 80,000 rows for export.

Depending on the account licensing, if a user selects more than the appropriate limit, a warning message is displayed as shown in the example below.

Downloading test results files

For customers on a StrataSync BASE account (or the legacy CORE), users can select up to a maximum of 100 table rows (each row representing a test data file) to initiate a download as a compressed '.zip' file (if you just download a single file the file is not compressed). Customer accounts with any new StrataSync subscription plan (PRO, ANALYTICS or ENTERPRISE WORKFLOW), or appropriate legacy PLUS licensing, will support users selecting up to 1,000 files for export.

Depending on the account licensing, if a user selects more than the appropriate limit, a warning message is displayed as shown in the example below.

In addition to the limits for CSV row export and test results file bulk downloads, users will no longer be able to initiate multiple actions. The previously initiated action must complete first before another action is allowed.

Reordering and new default columns

The 'Work Order ID' column is now configured as a column in the **Default View**, and the other columns have been reordered as shown in the example below based on overall customer feedback. Remember that you can still create your own saved views (and share them with other users) to customize the selected columns and the column order.

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Workorder Auto-purge

A feature has been added to support monthly (runs on the 1st day of every calendar month) automatic purging (deletion) of workorders based on a number of months from each workorder's schedule date. You can also select to delete only workorders which are in particular states, e.g. you may not want to delete workorders which are still in the "STARTED", "ASSIGNED" or "INPROGRESS" states. Finally you can select whether or not to delete any workorder-associated test results in addition to the workorder.

This capability only works for the 'viaviJob', 'fiberJob' and 'swissAssignment' job types.
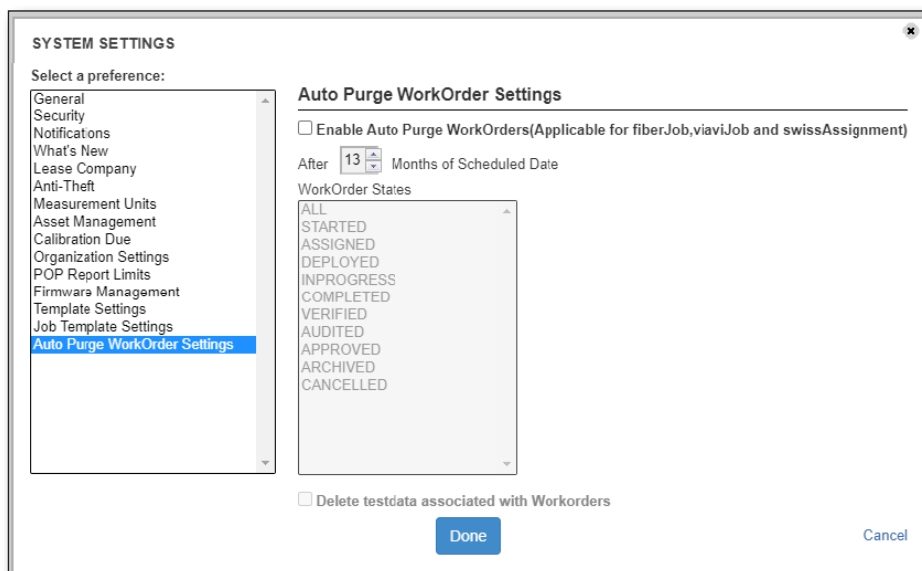
Customers must be licensed for workorder integration to utilize this capability (either the ENTERPRISE WORKFLOW subscription plan or legacy workorder integration licensing).

Test results file URL passed as metadata via Test Results JSON API

An additional metadata field ("ssUri") has been added to the response to the POST testresults search command for the Test Results JSON API, which provides a URL link to the full test results file within the StrataSync account. Any user clicking on the link would require a StrataSync user profile with appropriate test data viewing permissions to access the link.

URL validity is dependent on the test data retention period for the account (e.g. 35 days, 1 year or other) and will be impacted by manual (via the UI with appropriate permissions) or automated (via the Test Results JSON API) deletion of test results. In addition, any future change in UI browser technology employed by StrataSync may invalidate URLs, therefore it is recommended that URLs are only used for referencing test results files for a limited period (a few days to a week) from the results sync date.

Please see the forthcoming update to the Test Results JSON API Developer Guide for further information regarding this feature. Customers must be licensed for test results integration to utilize this capability (either the ENTERPRISE WORKFLOW subscription plan, the Test Results API option added to either the PRO or ANALYTICS subscription plans, or legacy test data API licensing).

Deletion of test results files via Test Results JSON API

A new command is supported allowing a customer system to permanently delete a test results file from their StrataSync account using the Test Results JSON API. For customers not wishing to have test results stored in StrataSync, they can use the existing POST command to search for test results, the GET command to retrieve the full test results files, and now the DELETE command to delete each test results file after successful retrieval.

Request Example	
Type	DELETE
URL	https://{{base_url}}/api/v1/testresults/{{_id}}
{{_id}}	3244254

Response Example	
HTTP Status	200 OK

Body	{
	   "httpStatus": 200,
	   "type": "success",
	   "message": "delete success",
	   "serverTime": "2021-05-05T14:35:56Z"
	}

Please note that the service user associated with the API credentials must have the 'Delete Test Data' permission to support this functionality.

Please see the forthcoming update to the Test Results JSON API Developer Guide for further information regarding this feature. Customers must be licensed for test results integration to utilize this capability (either the ENTERPRISE WORKFLOW subscription plan, the Test Results API option added to either the PRO or ANALYTICS subscription plans, or legacy test data API licensing).

General improvements / Bug fixes

- Updated French language translations for new UI elements added over the past few releases.

- A new user permission has been added to support editing a user but without being able to modify the techId. This allows local supervisors/managers to update details for their technicians including organization association, but without mistakenly modifying the corporate-mandated personnel IDs (mapped to techId in StrataSync).

- New metadata field "HL Runtime" supported for the asset type ONX CATV. This field represents the length of time the pressure test is run in seconds. This field is named "leakageRunningTime" in the response to the POST test results search query for the Test Results JSON API.

- StrataSync now supports calculating the 'Status' of workorders in the **Other Work Orders** view of type= "viaviJob" based on the 'required' field per-test/test location in the test plan. Only test results associated with workorder definitions for tests or test locations where 'required' = "true" are taken into consideration when calculating pass/fail status for a workorder. If multiple results are uploaded associated with the same test/test location, the one with the latest creation time is used for the pass/fail status calculation.

Known issues

- A CATV Workorder Pass/Fail Status is not updated when the techId is reassigned using the POST /api/v2/workflow/cable query in the Cable Workflow JSON API. However, when the newly-assigned technician uploads subsequent test results, this will prompt the workflow compliance calculations to be run again. This minor issue will be targeted for an upcoming release.

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English