

ASPEN Relay Database

Version 12.3 Maintenance Update

ASPEN is pleased to release ASPEN Relay Database™ version 12.3. This maintenance update contains fixes for all bugs reported to date, as well as new features and improvements.

Use the setup programs you downloaded from ASPEN to update existing ASPEN Relay Database version 12 installations or to perform new installations:

- Run RDBV12.3ClientAndAdminSetup.exe to create or update an administrator installation. This setup will install or update both the Relay Database Administration Program and the Client Program on the machine.
- Run RDBV12.3ClientOnlySetup.exe to create or update a client installation. This setup will install or update only the Client Program on the machine.
- On an intranet IIS web server, run RDBV12WebSetup.exe to install or update the Relay Database Web Extension program components.
- On an intranet IIS web server, run RDBV12APISetup.exe to install or update the Web API module program components.

This maintenance update requires no change to the database structure of existing ASPEN Relay Database version 12 installations. If you are already using ASPEN Relay Database™ version 12, running the above setups will fully update your installation to version 12.3. However, if you are using a version of the Relay Database prior to version 12, consult the Administration Manual or on-line help for additional database update instructions.

If you have questions, please write to us at support@aspeninc.com (in English) or suporte@aspeninc.com (in Spanish or Portuguese), or call us at 650-347-3997.

New features and improvements between V12.2 and V12.3

- Improve program response and performance:** Enable parallel processing to increase the program performance and responsiveness.

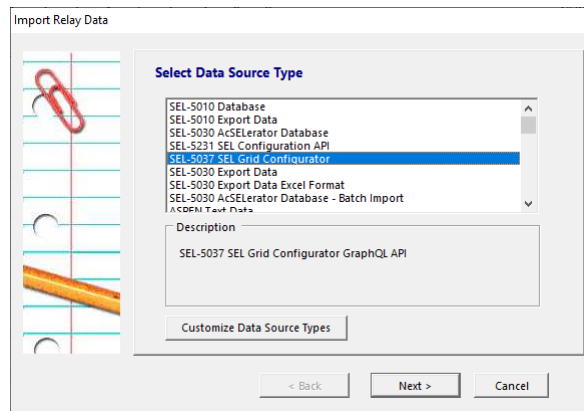
Fixed column in the Scan form: Allows users to set the first column in the Scan form as a fixed column. The fixed column remains visible when users scroll the data grid horizontally.
- Tree filter for the Scan form:** Allows users to switch between the legacy column filter and the tree filter in the Scan form to filter the data in the data grid.

The top screenshot shows the 'Scan - AC' form with a table of relay data. The table has columns: Relay No., Model No., Style, Inst. Book, IEEE No., Function, Protecting, and Relay ID. The data is filtered by 'Relay No.' and 'Style'.

Relay No.	Model No.	Style	Inst. Book	IEEE No.	Function	Protecting	Relay ID
87L-8B	P543312B4A011...	P543_1	13	21 Distance	Current Differet...	NW3805	253
GE-L90	L90			21 Distance;51 T...		NW3805	102
GW1235-21	SEL	SEL-311A	SEL-311A	27 Undervoltag...	Multi function	CIRCUIT 21	96
NW3803,4,5-87C	BDD11	KD10	GE1802	87L	function (Load)	NW 138kV Bus	269
NW3803-41	PDC2000	PCD	79,50,51	23 Temperature ...	Backup	CIRCUIT 33	123
NW3803-51	CO-9	CO	113	27 Undervoltage	OVERCURRENT	CIRCUIT 22 C	100
R123							98
RW342-4563	ELEC. FORM 3A	VSO	79,51	23 Temperature ...	RECLOSER	CIRCUIT 41	101
S123							
S12345	Test	Demo	abc	21 Distance;23 T...	Func	NW3805	
SEL-351NEW	SEL-351NEW	SEL		51 Time overcur...	Multi	Feeder 23/24	
SEL-351S	SEL-351S	SEL-351S	SEL-351S	51 Time overcur...	Multi	NW3805	
SW187-5586 aa	CRP-9	CRP	50,51	51 Time overcur...	Overcurrent	CIRCUIT 36 GRND	
SW2341-211	SEL	SEL-221	SEL-211	51 Time overcur...	MULTI FUNCTI...	CIRCUIT 211	
SW245-23	DPU2000	ESV	79,50,51	50 Instantaneou...	RECLOSER	CIRCUIT 63	

The bottom screenshot shows the same form with a search dialog box open. The dialog box has a search bar and a list of relay types and their associated functions. The list includes: 21 Distance, 27 Undervoltage, 87L, 23 Temperature, 51 Time overcurrent, 23 Temperature control, 27 Undervoltage, 50 Instantaneous OC, and 51 Time overcurrent. The '21 Distance' and '51 Time overcurrent' options are checked.

- New import filters for:** SEL-5037 Grid Configurator, Beckwith TapTalk HTM export, Siprotec-5 CSV export, Siprotec XRIO, Toshiba GRT200 CSV export, NARI PCSExplorer setting export, and GE settings in multiple file formats.



Import Relay Data

Select Data Source Type

- SEL-5010 Database
- SEL-5010 Export Data
- SEL-5030 AcSELEerator Database
- SEL-5231 SEL Configuration API
- SEL-5037 SEL Grid Configurator
- SEL-5030 Export Data
- SEL-5030 Export Data Excel Format
- SEL-5030 AcSELEerator Database - Batch Import
- ACDEM Test Data

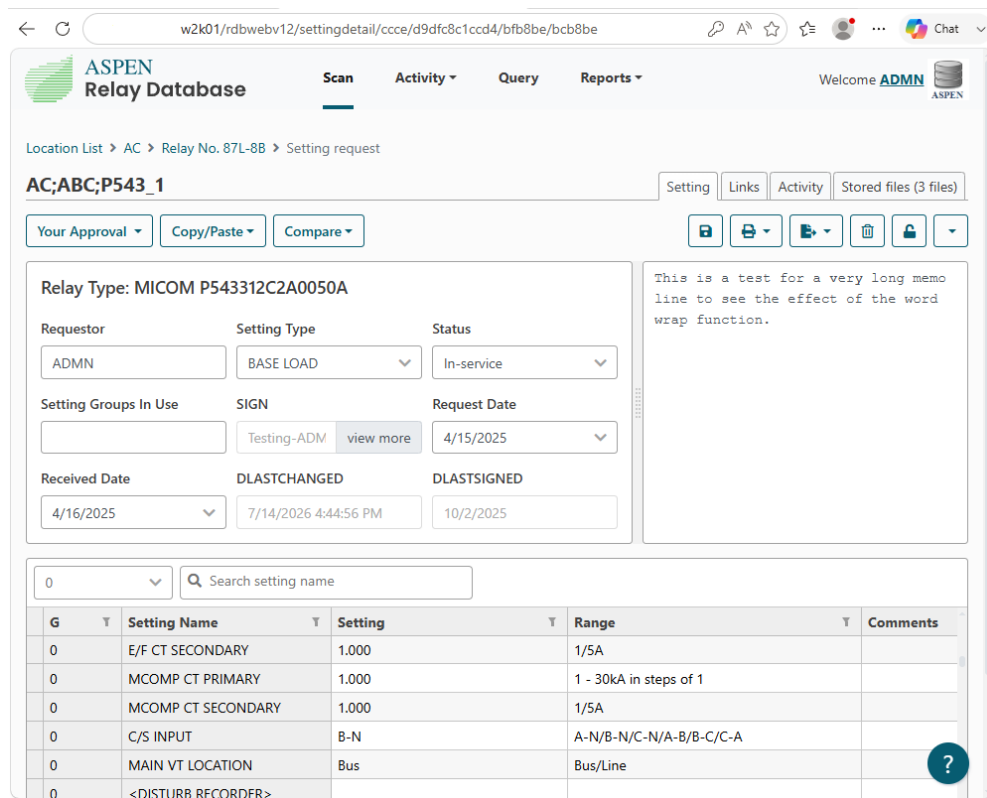
Description

SEL-5037 SEL Grid Configurator GraphQL API

Customize Data Source Types

< Back Next > Cancel

- **New user-defined commands for the Task/Activity Scan form.**
- **Journaling of show/hide record actions:** Show/hide record actions are now recorded in the journal.
- **New functions in the built-in script engine:** file handling, showing/hiding stored files, copying stored files, importing SEL-5030 files, showing/hiding device records, and a new class for handling Excel files.
- **Improved picklist functionality in forms.**
- **Improved SEL-5030 import function:** Supports the latest SEL-5030 format.
- **New event handling:** New trigger events for briefcase sync and setting import process.
- **Improved web interface for the relay, device, and setting forms:** Memo boxes now support word wrap and resizing, and a new splitter allows users to resize form columns.



ASPEN Relay Database

Scan Activity Query Reports

Welcome ADMN

Location List > AC > Relay No. 87L-88 > Setting request

AC;ABC;P543_1

Setting Links Activity Stored files (3 files)

Your Approval Copy/Paste Compare

Relay Type: MICOM P543312C2A0050A

Requestor: ADMN Setting Type: BASE LOAD Status: In-service

Setting Groups In Use: SIGN Request Date: 4/15/2025

Received Date: 4/16/2025 DLASTCHANGED: 7/14/2026 4:44:56 PM DLASTSIGNED: 10/2/2025

This is a test for a very long memo line to see the effect of the word wrap function.

0 Search setting name

G	T	Setting Name	T	Setting	T	Range	T	Comments
0		E/F CT SECONDARY		1.000		1/5A		
0		MCOMP CT PRIMARY		1.000		1 - 30kA in steps of 1		
0		MCOMP CT SECONDARY		1.000		1/5A		
0		C/S INPUT		B-N		A-N/B-N/C-N/A-B/B-C/C-A		
0		MAIN VT LOCATION		Bus		Bus/Line		
0		<DISTURR RECORDER>						

- **More highlight levels:** The number of highlight levels has been increased from 8 to 16.

- **New option in the Admin program** to allow admin users to set display preferences for the setting form in the Relay Database Web Extension.
- **New option in the Admin program** to set the query timeout for a User Query form.
- **Improved application GUI:** Makes it easier to navigate between open forms in the program.
- **New setting picklist for setting/test form:** Allow users to select a setting value from the list of the pre-defined values.

G	Setting Name	Setting	Range	Comments	Status
0	<DISTURB RECORI				
0	DURATION	1.5	0.1 - 10.5 Second in steps of 0.01		
0	TRIGGER POSITION	30	0 - 100% in steps of 0.1		
0	TRIGGER MODE	Extended	Single/Extended		
0	ANALOG CHANNEL	VA	IA/IB/IC/IN/VA/VB/VC/IM/V Checksync		
0	ANALOG CHANNEL	IB	IA/IB/IC/IN/VA/VB/VC/IM/V Checksync		
0	ANALOG CHANNEL	IC	IA/IB/IC/IN/VA/VB/VC/IM/V Checksync		
0	ANALOG CHANNEL	VA	IA/IB/IC/IN/VA/VB/VC/IM/V Checksync		
0	ANALOG CHANNEL	VB	IA/IB/IC/IN/VA/VB/VC/IM/V Checksync		
0	ANALOG CHANNEL	VC	IA/IB/IC/IN/VA/VB/VC/IM/V Checksync		
0	ANALOG CHANNEL	IM	IA/IB/IC/IN/VA/VB/VC/IM/V Checksync		
0	ANALOG CHANNEL	V Checksync	IA/IB/IC/IN/VA/VB/VC/IM/V Checksync		
0	ANALOG CHANNEL	IN	IA/IB/IC/IN/VA/VB/VC/IM/V Checksync		

- **Export event handling scripts:** Allow admin users to save the current event handling scripts to files from the Event Triggers form.

Bug fixes between V12.2 and V12.3

- Fixed bug in copying/pasting data in the setting, test, and activity forms.
- Fixed bug in the test import function for the universal data file format.
- Fixed bug with show/hide setting and test requests in the device form.
- Fixed bug that allowed any user to manage form scripts.
- Fixed bug in the import functions for: SEL-5030, NXTPHASE, GE URS, and ASPEN Universal formats.
- Fixed bug that sometimes caused the program to fail to display a customized test form.
- Fixed bug that sometimes caused the program to raise an exception and prevent the user from closing a relay form.
- Fixed bug that allowed a read-only user to modify form values in the Relay Database Web Extension.
- Fixed bug that allowed users to modify the value of a hidden setting parameter.
- Fixed bug in some built-in script functions.
- Fixed bug in the login function that caused the program to incorrectly validate Windows user credentials.
- Fixed bug that could cause the program to stop responding after executing an event-handling script.
- Fixed bug that caused the program to skip executing the event-handling script in the Scan form.

- Fixed bug that sometimes caused the program to fail to create a briefcase.
- Fixed bug in the export/import setting template function in the Admin program.
- Fixed bug in the database restore function, which could skip restoring the last record in the TREQUEST table.
- Fixed bug that sometimes caused the program to report a query error when opening a setting form.
- Fixed bug in the SEL-5030 import function that failed to import setting values containing double quotes.
- Fixed bug that could cause the program to write a date/time value to the wrong field in the device and setting forms.
- Fixed bug in the built-in script engine that could cause a script to fail to retrieve the settings from a .RDB file.
- Fixed bug that prevented re-running the query in a User Query form on an Oracle database.