PF ECR File Creator

Release notes, user guide and error codes

Version 1.3.0 | Released 14 November 2026 | Techmin HR Solutions, a subsidiary of Techmin Wealth Partners

What is new in Version 1.3.0

- **Save bar that is always visible.** A bar at the foot of every tab shows the save status (for example "Saved 14:32:10 to this browser (auto save on)", "Unsaved changes" or "Not saved") with a Save now button and a Clear all data button. It stays in view while you scroll.
- **Auto save, with an on/off switch.** Auto save is on by default. Every change is saved to this browser at once, and to your save file when one is connected. The new Auto save panel on the Data and backup tab switches it off; changes then wait for Save now, and the tool warns you before you leave with unsaved changes. The tool also saves when you switch tabs or close the page, and it only writes when something has actually changed.
- **Clear all data.** A dialog now guards the clearing. It shows what will be removed, offers Download backup first, asks you to type CLEAR, and lets you choose whether to also delete the audit log and whether to forget the save location. The wage period returns to the current month. The old confirmation box is gone.
- **Audit log (new tab).** A dated record of what was done on this device: files uploaded, validations, changes to the establishment details, wage period and above-58 selection, ECR file, PDF report, validation report and exports generated, backups downloaded and restored, saves, auto save changes, and clearing of data. It holds no UAN numbers or employee names. You can filter and search it, download it as CSV and clear it. It keeps the latest 1,000 entries and travels with the save file and backups; restoring a backup merges the entries.
- **Data tab summary** now also shows whether auto save is on, whether there are unsaved changes and the number of audit entries.
- **New error codes:** ECR-E501 (browser storage), ECR-E502 (save file write), ECR-E503 (save file permission), ECR-E601 (audit log storage) and ECR-E602 (audit log empty). The earlier uncoded message about the save file now carries ECR-E502.
- Backup files are now version 2 and include the audit log. Backups made by earlier versions still load.

What was new in Version 1.2.0

- New Feedback panel at the foot of the page: a link to the short customer feedback form for this software, a "Review us on Google" button and an animated link to tools.complypro.co.in. The form asks what developments you expect in the next versions.
- New error code ECR-E701: shown if the feedback form is opened while the device is offline.

What was new in Version 1.1.0

- The PDF report carries no Techmin logo. Its footer reads "Generated using PF ECR File Creator v1.1.0 by Techmin HR Solutions".
- New Error codes tab. Every validation issue, import message and backup message carries a code such as ECR-E101, with a cause and a solution. The validation report CSV now has the code in the issue text.
- Security: Content Security Policy, clickjacking guard, referrer policy, limits on upload size and row count, safe restore of backups (only known fields are kept), and protection of CSV exports against spreadsheet formula injection.

User guide

PF ECR File Creator turns a payroll Excel sheet into a draft ECR text file for the EPFO portal and a one-page EPF contribution summary. Everything runs in your browser; your data is not sent to any server.

Basic steps

1 Open the tool. Choose a save location in Chrome or Edge on a computer, or choose Not now and use Download backup regularly.

2. Create ECR tab: enter the establishment code, name and address, and select the wage month and year.
3. Download the Excel template, fill the PF Data sheet (one employee per row) and upload it, or load the sample data to try the tool.
4. Click Validate payroll. Read the errors and warnings, correct the sheet and upload again.
5. Tick Above 58 only for employees you have confirmed to be above 58 years of age. Totals update at once.
6. Download the contribution report (PDF) and the ECR text file, and check them against the current EPFO format before uploading to the portal.

Saving, auto save and the Save now button

1. Look at the bar at the foot of the page. The dot is green when everything is saved, amber when there are unsaved changes and red when the browser could not save.
2. Auto save is on by default. Nothing needs to be pressed: every change is saved to this browser straight away, and to your save file when one is connected (Chrome or Edge on a computer).
3. Press Save now at any time to save immediately and write to the save file. The press is recorded in the audit log.
4. To work without auto save, untick Save automatically after every change on the Data and backup tab. The bar then shows Unsaved changes after each edit until you press Save now, and the browser asks before you leave the page with unsaved changes.
5. Auto save keeps the data in this browser. It is not a replacement for a backup: download a backup after major changes, and keep it in a secure folder.

Clearing data

1. Use Clear all data (on the save bar or on the Data and backup tab) to start afresh, for example when you hand the computer to someone else.
2. The dialog lists what will be removed. Choose Download backup first if you may need the data again.
3. Type CLEAR to enable the Clear all data button. Tick Also delete the audit log only if you want the history removed as well; otherwise the log keeps a record that the data was cleared. Tick Also forget the chosen save location to disconnect the save file after it has been emptied.
4. To remove only the uploaded employee rows and keep the establishment details and wage period, use Clear uploaded data on the Create ECR tab instead.

Audit log

1. Open the Audit log tab. The newest event is at the top. Each entry has a number, date and time, category, event and details.
2. Use Show to filter by category (Session, Data, Validation, Output, Backup, Save, Privacy, Clear, Audit) and Search to find text in the events.
3. Download audit log (CSV) saves the whole log for your records. Clear audit log removes it after a confirmation; the first new entry then records that it was cleared.
4. The log never contains UAN numbers or employee names, only counts, file names, wage periods and totals of errors and warnings.
5. The log is kept in this browser, in your save file and in backups. It holds the latest 1,000 entries. Restoring a backup merges that backup's entries into the log without duplicates.
6. The audit log is a convenience record kept on the device. Anyone who can use the device can edit or delete it, so it is not tamper-proof evidence.

Error codes and solutions

Every message carries a code in square brackets. Quote the code when you ask for help.

Code	Type	What it means	What to do
ECR-E101	Error	UAN is missing.	Enter the 12-digit UAN for the employee.
ECR-E102	Error	The same UAN appears on more than one row.	Remove or correct the duplicate row. The message names the first row.
ECR-E103	Error	Employee name is missing.	Enter the name as per EPFO/UIDAI records.

Code	Type	What it means	What to do
ECR-E104	Error	A wage, PF, NCP or refund value is not a non-negative number.	Enter a number of 0 or more, without text.
ECR-E105	Error	Employee PF is negative.	Correct PF wages so that the calculated Employee PF is not negative.
ECR-W201	Warning	UAN is not 12 digits.	Check the UAN against the member passbook or the portal.
ECR-W202	Warning	PF wages exceed gross wages.	Verify the wage definitions that apply to the establishment.
ECR-W203	Warning	Pension wages exceed PF wages.	Verify eligibility and the applicable rules.
ECR-W204	Warning	EDLI wages exceed gross wages.	Verify the EDLI wage figure.
ECR-W205	Warning	NCP/LOP days are more than 31.	Check the days for the selected wage month.
ECR-W206	Warning	Employer EPF is negative.	Verify the Employee PF and EPS figures.
ECR-E301	Error	The Excel library did not load.	Check the internet connection and reload. You can also upload a CSV file.
ECR-E302	Error	The selected file is empty.	Choose a file that has the header row and the data rows.
ECR-E303	Error	The UAN column could not be found.	Use the downloaded template and keep its column headings.
ECR-E304	Error	The backup file or text is not a valid ECR Creator backup.	Use a .json backup created by this tool. Do not edit it by hand.
ECR-E305	Error	The PDF report could not be produced.	Reload the page and try again.
ECR-E306	Notice	Export clicked with no rows.	Upload a file or load sample data first.
ECR-E401	Error	The file is too large or has too many rows.	The limit is 10 MB and 20,000 rows. Split the file.
ECR-E501	Error	The browser could not save your data (storage is full, blocked or in a private window).	Press Download backup now so nothing is lost. Free some browser storage or leave the private window, then press Save now.
ECR-E502	Error	The save file could not be written (moved, deleted, open in another program or permission lost).	Click the storage button at the top, reconnect or choose the save file again, then press Save now.
ECR-E503	Notice	The browser needs your permission to use the save file again.	Click Reconnect saved file at the top and choose Allow.
ECR-E601	Error	The audit log could not be saved in this browser.	Download the audit log as CSV, clear old entries on the Audit log tab and free some browser storage.
ECR-E602	Notice	Download or clear was pressed while the audit log is empty.	Nothing to do. Entries appear as you use the tool.
ECR-E701	Notice	The feedback form cannot be opened because the device is offline.	Connect to the internet and select the feedback link again.

Version history

Version	Date	Notes
1.3.0	14 November 2026	Always-visible save bar with Save now, auto save with on/off switch, Clear all data dialog, Audit log tab, new error codes E501, E502, E503, E601 and E602.
1.2.0	27 October 2026	Feedback panel, Review us on Google button and error code E701.
1.1.0	27 October 2026	No logo in the PDF report, new footers, Error codes tab, security hardening.

Version	Date	Notes
1.0.0	24 October 2026	First release: validation, PF/EPS/EPF calculation, ECR text and PDF summary, saved work with chosen save location, backup and restore, Excel and CSV export, masked uploaded data, clear uploaded data, release notes and disclaimer.

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