



Availability of Inline XBRL software and services for ESEF compliance.

XBRL International has conducted a voluntary survey amongst XBRL Certified Software™ providers (<https://software.xbrl.org/>) that might offer ESEF-related services. The survey was designed to discover:

- Where their offerings are available.
- Which languages their tagging tools support. In other words, can their software support Inline XBRL markup in specific local languages?
- Whether they engage in sales activities directly, or might instead have contracted with other companies as partners to deliver services in specific countries.
- Whether they provide helpdesk in local language.
- List pricing. We provide a pricing range in this context.

We set out our findings below in a country-specific report. Please note this list is not comprehensive and other suppliers that have not sought XBRL Software Certification are available in some countries.

Our report is set out in three parts:

1. **An Overview** that provides information about products grouped by classification.
2. **Pricing range** that sets out the range of prices across different product classifications.
3. **Product and Services** details that sets out a range of additional information about specific products.

An Explanation of Classifications

Bolt-on Offerings

A “Bolt On” offering takes a completed Annual Report, in Adobe InDesign, PDF (or in some cases Word or Excel) and converts that format into Inline XBRL. In other words, the report is converted into XHTML and the face financials are marked up in conformance with the ESEF taxonomy and the ESEF filing rules. This is generally a software offering (some are on premise, others are in the cloud). Some of these tools can already deal with highly complex, fully designed files with significant graphic content. Most of these tools provide management with a review console that allows them to examine the tagging that has been applied to the document.

Some of these offerings work with a Machine Learning engine, that carries out significant proportions of the required tagging automatically. Others involve selection by management or a third party accountant.

It is extremely important that issuers review tagging suggestions made by software or by third party service providers.

Blended/Integrated and Disclosure Management Offerings

Within this category of offerings are Disclosure Management tools that are significantly different. They are part of a family of digital transformation services that let companies re-engineer their report production activities.

These tools allow companies to create their ESEF filings – and many other kinds of reports, via new multi-user authoring mechanisms. Full disclosure management tools provide a collaboration environment that can be used across an enterprise, which means that the manual “tick and flick” process associated with report production and review can be replaced with much more efficient online services.

They are designed to enhance quality and the risk management controls around report production. They provide an entirely new workflow for report production and provide a host of benefits that are entirely unrelated to XBRL markup. They seek to modernise the “last mile” of report production, reducing costs and risks for the issuer and strain on reporting personnel. That said, they are likely not suitable for smaller companies that are just looking to be ESEF compliant.

Within this category are certain tools that are Inline XBRL components (APIs and other offerings) that can be integrated into other systems, either in-house or by third party vendors. Not all of these tools are aimed at issuers directly.

It is extremely important that issuers review tagging suggestions made by software or by third party service providers.

Outsourced Services

Outsourced services provide a “Bolt-On” offering, but on a fully outsourced basis. Work is conducted offshore, the service provider interacts with the client via a digital dashboard, or the telephone (or both).

It is extremely important that issuers review tagging suggestions made by software or by third party service providers.

Limitations

All software in this report has received XBRL Software Certification, which provides a robust and objective assessment of software interoperability and conformance with the XBRL specifications. While this should provide issuers with significant comfort about the operation of these packages, it is not a guarantee that it will necessarily meet the needs of specific public companies, including, but not limited to, their ability to produce XBRL reports that meet the needs of specific NCAs.

Please note that XBRL Software Certification does not currently assess conformance with the ESEF filing rules. XBRL International's conformance suites are, by their nature, global in application and apply to the specifications that underpin XBRL reporting of all kinds, but do not cover country or region-specific additional requirements.

XBRL International has prepared this report in good faith at the request of a number of stakeholders. We believe that we have collated the information available to us accurately. We make no additional representations about the information in this report. We note that additional vendors and service providers will achieve XBRL Software Certification over time. We note that existing vendors in this space will improve their offerings and add more partners over time. We will seek to update this report as appropriate when we are made aware of material changes.

Survey respondents have been asked for list prices.

We have not tested the usability or reliability of the software or services described here. Issuers should go through normal procurement processes to ensure that they acquire tools appropriate to their needs.

About XBRL International

XBRL International is the standards development organisation that develops and maintains the XBRL specifications. Our purpose is to improve the accountability and transparency of business performance globally, by providing the open data exchange standard for business reporting. Our standards are freely licensed and are used around the world to shift reporting from paper to data to better meet the needs of our digital age. We operate in the public interest as a not-for-profit global consortium. Find out more at www.xbrl.org.

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Product and Services Overview : Latvia

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Category	Product / Services Name	Provider	Products / Services Sold Directly	Products / Services Sold via Partner	Creates iXBRL reports in local language(s)	Provides Local Language Helpdesk
Bolt-On	Amelkis XBRL/ Tagging solution	Amelkis	Yes	Yes	Yes	No
	Arevio ESEF Edition	Acsona	Yes	No	Yes	No
	Arevio Inline Editor	Acsona	Yes	No	Yes	No
	CtrlPrint ESEF	CtrlPrint AB	Yes	No	Yes	No
	ESEF XBRL Converter	ParsePort	Yes	Yes	Yes	No
	ESEF XBRL Tagger	ParsePort	Yes	Yes	Yes	No
	IRIS CARBON - for ESEF iXBRL only	IRIS BUSINESS SERVICES	Yes	Yes	Yes	No
	Invoke ESEF (standalone)	Invoke	Yes	No	Yes	No
	RS XBRL PAPIRIX	Reporting Estándar, S.L.	Yes	No	Yes	No
	Rainbow™	DataTracks Europe	Yes	No	Yes	No
	Seahorse	CoreFiling	Yes	Yes	Yes	Yes
	XBRL Tagger	AMANA	No	Yes	Yes	Yes
	reportfactory tagging tool	ABZ Reporting GmbH	Yes	No	Yes	No
Integrated Product	Certent CDM	Certent	Yes	No	Yes	No
	ESEF Reporter	FQS Poland Ltd. (Fujitsu Group)	Yes	No	No	No
	ESEF XBRL API	ParsePort	Yes	Yes	Yes	No
	IRIS CARBON- ESEF iXBRL + Disclosure Management	IRIS BUSINESS SERVICES	Yes	Yes	Yes	No
	Invoke ESEF / PomDoc Pro	Invoke	Yes	No	Yes	No
	SmartNotes	AMANA	No	Yes	Yes	Yes
	Toppan Merrill Bridge - ESEF Compliance Solution	Toppan Merrill	Yes	No	Yes	No
	True North Data Platform	CoreFiling	Yes	No	Yes	No
	Workiva (W for ESEF)	Workiva	Yes	No	Yes	No
XT ESEF	UBPartner	Yes	Yes	Yes	No	
Outsourced Services	ESEF Report creation outsource services	DataTracks Europe	Yes	Yes	Yes	No
	ESEF XBRL Service	ParsePort	Yes	Yes	Yes	Yes
	IRIS CARBON- Services	IRIS BUSINESS SERVICES	Yes	Yes	Yes	No
	Tagging and end-to-end services	CoreFiling	Yes	Yes	Yes	Yes
	XBRL consulting / Report creation outsource service	Amelkis	Yes	Yes	No	No
	XT ESEF Tagging and Mapping Services	UBPartner	Yes	Yes	Yes	No

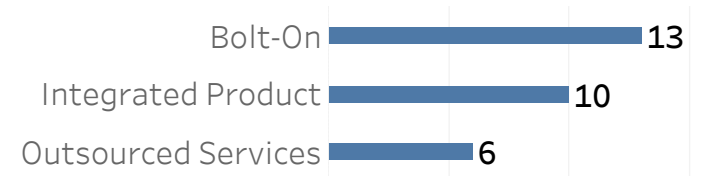
Price Range: Latvia

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	Minimum Reported Annual Price (in Euros)	Maximum Reported Annual Price (in Euros)
Bolt-On	5,000	7,750
Integrated Product	9,000	22,000
Outsourced Services	5,000	10,000

*Median values of reported prices

Number of Offerings



Reported Price Range Distribution

Size of the bubble indicates number of offerings in the price range.

	Minimum Reported Annual Price (in Euros)						Maximum Reported Annual Price (in Euros)					
	0-5k	5-10k	10-15k	15-20k	20-25k	>25k	0-5k	5-10k	10-15k	15-20k	20-25k	>25k
Bolt-On	●	●						●	●	●		
Integrated Product	●	●	●	●		●		●	●		●	●
Outsourced Services	●	●							●	●		

Product and Services Details: Latvia

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reportfactory tagging tool

ABZ Reporting GmbH

Bolt-On

<https://reportfactory.abz-reporting.com/taggingtool>

Tagging tool allows for tagging of electronic financial reports in Inline XBRL (iXBRL) format.

The software provides functionality to extend existing report creation processes for paper-based and online reports towards digital reports. Digital reports can be analysed in an automated way by software, while still providing professional human-readable layout.

tagging tool meets the requirements from ESMA according to the ESEF (European Single Electronic Format). For this purpose, it provides all required features like import of layout formats, tagging and anchoring, taxonomy extensions, as well as validation and consistency checks.

ABZ Reporting phone: +49 6151 9575790 email: sales@abz-reporting.com

Product and Services Details: Latvia

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Arevio ESEF Edition

Acsona

Bolt-On

<https://arevio-xbrl.com/arevio-solutions/esef/>

Create ESEF taxonomy extensions;

Create ESEF inline templates regarding a taxonomy extension;

Validate inline-XBRL reports against calculation and formula taxonomy specifications;

Validate ESEF inline-XBRL reports against ESEF Reporting Manual.

xbrl@acsone.eu

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Arevio Inline Editor

Acsona

Bolt-On

<https://arevio-xbrl.com/arevio-solutions/ecef/>

Create and edit inline-XBRL;

Tag PFS and notes in inline-xbrl ESEF format;

Copy/Paste from different formats (Excel, Word, ...).

xbrl@acsona.eu

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SmartNotes

AMANA

Integrated Product

<https://amana-esef.com/de/#smartnotes>

Sophisticated disclosure management system that automates the data flow from consolidation system to PDF, Word InDesign, iXBRL and HTML reports.

AUDIFINA UAB, A. Juozapavičiaus 6, Slucko g. 2, Vilnius 09310, Lithuania, info@audifina.lt, +370 5 212 7365

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XBRL Tagger

AMANA

Bolt-On

<https://amana-esef.com/de/#xbrl-tagger>

PDF, InDesing, Word and XHTML plug & play Tagger

AUDIFINA UAB, A. Juozapavičiaus 6, Slucko g. 2, Vilnius 09310, Lithuania, info@audifina.lt, +370 5 212 7365

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Amelkis XBRL/ Tagging solution

Amelkis

Bolt-On

<https://amelkis-xbrl.com/en/>

Creates report as required

nyassir@amelkis-solutions.com

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XBRL consulting / Report creation outsource service

Amelkis

Outsourced Services

<https://amelkis-xbrl.com/en/>

End-to-end services

nyassir@amelkis-solutions.com

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Certent CDM

Certent

Integrated Product

<https://certent.com/solutions/financial-regulatory-reporting/>

Report production, tagging and publishing platform

esefready@certent.com

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Seahorse

CoreFiling

Bolt-On

<https://corefiling.com/eseef/>

Seahorse, part of the True North Data Platform, makes it easy to convert InDesign, Word and Excel files to the ESEF iXBRL format, as required by the ESMA mandate. The Seahorse AI engine constantly learns to ensure tagging now and for future years is fast and consistent. Developed by the inventors of iXBRL, it supports 100% compliant reporting in all EU jurisdictions.

sales@corefiling.com

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Tagging and end-to-end services

CoreFiling

Outsourced Services

<https://corefiling.com/ecef/>

Several European partners use Seahorse to provide tagging-only or full end-to-end design and publishing services for creating annual reports in the ESEF format.

sales@corefiling.com

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True North Data Platform

CoreFiling

Integrated Product

<https://corefiling.com/ecef/>

The True North Data Platform allows ESEF auto-tagging, report conversion, review and validation to be integrated into any reporting solution.

sales@corefiling.com

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CtrlPrint ESEF

CtrlPrint AB

Bolt-On

<https://web.ctrlprint.net/esef/>

Creates report as required and with high level of design

sales@ctrlprint.net

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ESEF Report creation outsource services

DataTracks Europe

Outsourced Services

<https://datatracks.eu/en/solutions/esef-reporting-solutions/>

Outsourced HTML conversion and XBRL tagging services

enquiry@datatracks.eu

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Rainbow™

DataTracks Europe

Bolt-On

<https://datatracks.eu/en/solutions/eseef-reporting-solutions/>

A high quality DMS solution for creation, review and validation of iXBRL/XHTML reports for ESMA-ESEF. Rainbow fluently handles rich design AFRs (PDF/Word) and provides consistent iXBRL reports using IFRS taxonomy without compromising on the design elements.

enquiry@datatracks.eu

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ESEF Reporter

FQS Poland Ltd. (Fujitsu Group)

Integrated Product

<https://fqs.pl/en/finance/products/esef-reporter>

Creates report as required

FQS Poland (EMEA Center of Excellence for Fujitsu XBRL Solutions) email: xbrl@fqs.pl, tel. +48 12 429 43 45

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Invoke ESEF (standalone)

Invoke

Bolt-On

<https://invoke-software.com/int/esef-reporting/home.html>

Bespoke, light SaaS solution that covers the mapping of the financial statements, the modeling of the extension taxonomy, the full tagging of the accounts, while ensuring rendering, validation, iXBRL publication and generation of the XBRL Package in line with the national filing rules. Includes the "production" module allowing to convert Word and PDF documents to xHTML for tagging integration.

contact@invoke-software.com;contact-stockholm@invoke-software.com

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Invoke ESEF / PomDoc Pro

Invoke

Integrated Product

<https://invoke-software.com/int/esef-reporting/home.html>

Bespoke, light and comprehensive SaaS solution that covers the entire annual report production chain in iXBRL format for ESEF reporting, from the preparatory to the production phase (incl. mapping of the financial statements, modeling of the extension taxonomy, tagging of the accounts, rendering, real-time validation, iXBRL publication and generation of the XBRL package in line with the national filing rules). Includes the collaborative, full-html document platform PomDoc Pro for the design, edition and revision of the Annual Financial Report.

contact@invoke-software.com;contact-stockholm@invoke-software.com

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IRIS CARBON - for ESEF iXBRL only

IRIS BUSINESS SERVICES

Bolt-On

<https://iriscarbon.com/eu>

IRIS CARBON's iXBRL modules allows users (companies, accounting firms, Big4 audit firms etc) to tag annual financial reports as per ESEF requirements.

info@iriscarbon.com

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IRIS CARBON- ESEF iXBRL + Disclosure Management

IRIS BUSINESS SERVICES

Integrated Product

<https://iriscarbon.com/eu>

IRIS CARBON's Disclosure management modules allows companies to author, review and finalize their compliance reports in a collaborative and centralized manner. Companies also have the option/ability to link their source systems/ERP/consolidation systems with IRIS CARBON so that numbers can flow from the source systems to the compliance documents directly.

info@iriscarbon.com

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IRIS CARBON- Services

IRIS BUSINESS SERVICES

Outsourced Services

<https://iriscarbon.com/eu>

IRIS CARBON's Disclosure management modules allows companies to author, review and finalize their compliance reports in a collaborative and centralized manner.

info@iriscarbon.com

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ESEF XBRL API

ParsePort

Integrated Product

<https://parseport.com>

Integrate the XBRL engine to your own system.

sales@parseport.com

Product and Services Details: Latvia

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ESEF XBRL Converter

ParsePort

Bolt-On

<https://parseport.com>

Adapt your systems and workflows moving forward and be ready for ESEF.

sales@parseport.com

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ESEF XBRL Service

ParsePort

Outsourced Services

<https://parseport.com>

Outsource everything - we take care of it all!

sales@parseport.com

Product and Services Details: Latvia

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ESEF XBRL Tagger

ParsePort

Bolt-On

<https://parseport.com>

Software that allows you to take full control of tagging and mapping.

sales@parseport.com

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RS XBRL PAPIRIX

Reporting Estándar, S.L.

Bolt-On

<https://www.papirix.com/>

Web-based collaboration platform to create, consume, validate and audit ESMA/ESEF and other iXBRL/XBRL reports.

MORE FEATURES: Multi-user collaborative tool: iXBRL editor for the instant creation of iXBRL reports with the possibility of simultaneously working different people within the team. Direct data auto-tagging: The tool automatically finds, points out and describes what each piece of information is within the report for its better understanding. Create and anchor extensions easily. Mapping from Excel template: Through an intuitive and effective template in Excel, exclusive from RS, the tool imports the data facilitating the process of editing the report. Automatic report validation: The tool directly certifies each data entered so that it complies with the rules defined by the Taxonomy used and with ESEF Conformance Suite if it's the case. Papirix is accessible via the web, it can be hosted in the Reporting Standard cloud accessible in SaaS mode, or licensed on client servers, either on-premises or in the cloud.

sales@reportingstandard.com

Product and Services Details: Latvia

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Toppan Merrill Bridge - ESEF Compliance Solution

Toppan Merrill

Integrated Product

<https://toppanmerrill.com/regulatory-disclosure-for-corporations/esef-inline-xbrl-mandate/>

Simple, fast and cost-effective solution to comply with the ESMA ESEF Inline XBRL mandate

andreasparke@toppanmerrill.com

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XT ESEF

UBPartner

Integrated Product

<https://ubpartner.com/eurofiling/#fndtn-esma>

Set of integrated XBRL Tools that can be implemented as components or as a full ESEF solution and workflow.

Used by financial consultants, financial applications vendors and by listed companies to fit into their specific workflow.

info@ubpartner.com

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XT ESEF Tagging and Mapping Services

UBPartner

Outsourced Services

<https://ubpartner.com/eurofiling/#fndtn-esma>

Extension Taxonomy generation and initial iXBRL document generation. Reporting Package can then be provided to a Media Agency for final preparation for publishing.

info@ubpartner.com

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Workiva (W for ESEF)

Workiva

Integrated Product

<https://w-esef.com/why-w-esef>

W for ESEF is a cloud based solution for ESEF compliance composed of collaborative document management with integrated XBRL solution. With W for ESEF customers have access to 24/7 customer support, our Workiva University training videos as well as an unlimited number of users. ESEF XBRL tagging services available as an optional add on service.

esef@workiva.com



End of Report

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