

Rapid Security Analyzer

Simplifying capital gains, dividends and interest withholding tax complexities globally through the use of an automated tool



Building a better
working world



Keeping up with many countries' new and evolving taxation regimes and treaties can be complex time-consuming and costly.

Rapid Security Analyzer (RSA) can help automate part of your investment portfolio analysis with interactive reports and executive dashboards, enabling you to:

- ▶ Map transactions to capital gains, dividends, and interest tax rates and rules in more than 100 jurisdictions and 12 financial instruments
- ▶ Sort tax rates by materiality
- ▶ Analyze percentage of liabilities by fund, country, region and RAG (red, amber, green) status
- ▶ Compare and contrast results side by side with other fund types (investor countries) or effective dates

RSA Lite, an online database to conduct one-off searches for the withholding tax rate, rule or status of a single security, is available as an add-on to RSA or as a stand-alone service.

Instrument categories

- ▶ Publicly traded debt
- ▶ Private debt
- ▶ Sovereign debt
- ▶ Private equity
- ▶ Publicly traded equity
- ▶ Depository receipt
- ▶ Asset-backed security (real estate)
- ▶ Asset-backed security (non-real estate)
- ▶ Future
- ▶ Forward
- ▶ Swap
- ▶ Repo

Fund types

- ▶ Bermuda LP
 - ▶ BVI Ltd
 - ▶ Canada mutual fund trust (MFT)
 - ▶ Cayman Exempt Company
 - ▶ Cayman LP
 - ▶ Cayman Ltd
 - ▶ Cayman Unit Trust
 - ▶ Irish Corp
 - ▶ Irish ICAV
 - ▶ Irish S110
 - ▶ Luxembourg FTP
 - ▶ Luxembourg SARL
 - ▶ Luxembourg SICAV/SICAF
 - ▶ UK LP
 - ▶ US ETF
 - ▶ US LLC
 - ▶ US LP
 - ▶ US Pension
 - ▶ US RIC
- Other funds available by request.

Robust and far-reaching information

North America
 Bermuda Mexico
 Canada United States

Europe
 Albania Greece Norway
 Austria Guernsey Poland
 Belarus Hungary Portugal
 Belgium Iceland Romania
 Bulgaria Ireland Serbia
 Croatia Isle of Man Slovak Republic
 Cyprus Italy Slovenia
 Czech Republic Jersey Spain
 Denmark Latvia Sweden
 Estonia Lithuania Switzerland
 Faroe Islands Luxembourg Turkey
 Finland Macedonia Ukraine
 France Malta United Kingdom
 Germany Netherlands

Asia-Pacific
 Australia Malaysia
 Azerbaijan Marshall Islands
 Bangladesh New Zealand
 China (mainland) Papua New Guinea
 Hong Kong Philippines
 India Russia
 Indonesia Singapore
 Japan Sri Lanka
 Kazakhstan Taiwan
 Korea Thailand
 Macau Vietnam

Caribbean
 Anguilla
 Bahamas
 Barbados
 British Virgin Islands
 Cayman Islands
 Curaçao
 Dominican Republic
 Jamaica
 Puerto Rico
 Turks & Caicos Islands

Middle East
 Bahrain Oman
 Egypt Pakistan
 Israel Palestinian Authority
 Jordan Qatar
 Kuwait Saudi Arabia
 Lebanon United Arab Emirates

**South America and
Central America**
 Argentina El Salvador
 Brazil Panama
 Chile Peru
 Colombia Uruguay
 Costa Rica Venezuela
 Ecuador

Africa
 Benin Morocco
 Botswana Namibia
 Burkina Faso Niger
 Cote d'Ivoire Nigeria
 Eswatini Rwanda
 Gabon Senegal
 Ghana South Africa
 Gibraltar Tanzania
 Guinea Tunisia
 Kenya Uganda
 Malawi Zambia
 Mauritius Zimbabwe

Innovation driving interactive results



Provided by client					Capital gains				
Effective dates: 07/01/2017 - 12/31/2017									
Fund type: Irish Corp					Thresholds: Yes				
Fund	Asset ID	Public/Private	Unrealized gain/loss (US\$)	Realized gain/loss (US\$)	Country of investment	Instrument category	Status	Tax rate	General rule
Fund A	B84HK80	Public	\$166,112.08		Greece	Publicly traded equity	G	0.0%	Capital gains derived by a nonresident investment fund from the sale of publicly traded equity by the nonresident does not maintain a permanent establishment in Greece.
Fund A	BYSXJ23	Public		\$502,106.10	Colombia	ABS (real estate)	R	14% / 15%	The taxation of asset backed securities depends on the tax regime the specific securities are subject to. If the investment is not made through a private investment fund but a registered Securities and Intermediaries, the investment may qualify under the foreign portfolio investor regime and be subject to a 14% tax. If the investment is made through a private investment fund, it does not apply, the investment will be treated as a collective portfolio regime in the Colombian Tax Code and as such be subject to a 15% tax (irrespective of the terms of the instrument). Please consult your tax advisor.
Fund A	BQQCCT4	Private		\$731,844.79	Indonesia	Sovereign debt	A	0% / 20%	Pursuant to domestic law, capital gain from the sale of sovereign debt is treated as income of a nonresident on a sale of government-issued debt with a maturity of more than 12 months. Capital gain realized on debt instruments with maturity less than 12 months is not taxable. Instruments are Indonesian government T-Bills. Moreover, interest paid on qualified instruments outside of Indonesia is exempt from tax.

Rapid Security Analyzer

Executive dashboard

Capital gains tax information

Interest withholding tax information

Dividends tax information

Region

Americas

Asia

Europe

Country

Argentina

Bermuda

Canada

Cap gains status

A

G

R

Cap gains status

Red - significant tax considerations
Amber - potential tax considerations
Green - limited tax considerations

Unrealized gain/loss (US\$) vs Realized gain/loss (US\$)

Instrument Category	Unrealized gain/loss (US\$)	Realized gain/loss (US\$)
Sovereign debt	~10,000	~10,000
Publicly traded equity	~5,000	~5,000
Private equity	~2,000	~2,000
Private debt	~1,000	~1,000
ABS (real estate)	~1,000	~1,000
ABS (non-real estate)	~1,000	~1,000

Unrealized gain/loss (US\$) vs Realized gain/loss (US\$)

Country	Unrealized gain/loss (US\$)	Realized gain/loss (US\$)
Americas Mexico	~12,000	~12,000
Americas United States	~8,000	~8,000
Americas Panama	~5,000	~5,000
Americas Israel	~4,000	~4,000
Americas Colombia	~3,000	~3,000
Americas Cayman Islands	~2,000	~2,000
Americas Canada	~1,000	~1,000
Americas Bermuda	~1,000	~1,000
Americas Argentina	~1,000	~1,000
Europe United Kingdom	~1,000	~1,000
Europe Switzerland	~1,000	~1,000
Europe Netherlands	~1,000	~1,000
Europe Luxembourg	~1,000	~1,000
Europe Israel	~1,000	~1,000
Europe Ireland	~1,000	~1,000
Europe Greece	~1,000	~1,000
Europe Germany	~1,000	~1,000
Europe Denmark	~1,000	~1,000
Asia Singapore	~1,000	~1,000
Asia Indonesia	~1,000	~1,000
Asia India	~1,000	~1,000
Denmark	~1,000	~1,000

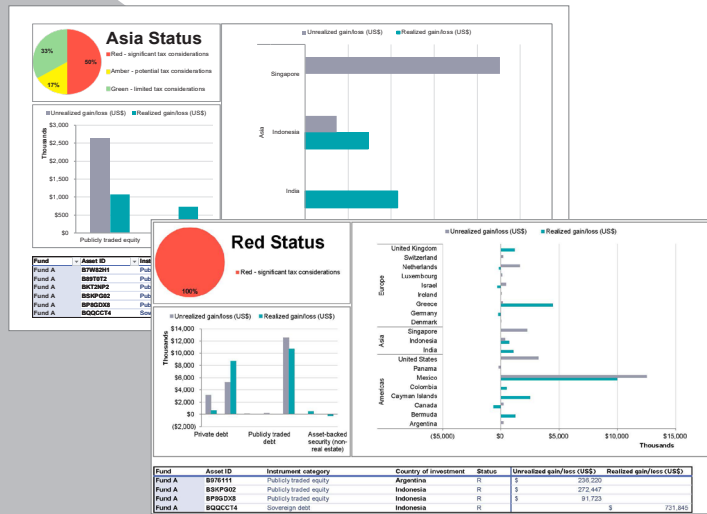
Fund	Asset ID	Instrument category	Country of investment	Cap gains status	Cap gains tax rate	Unrealized gain/loss (US\$)	Realized gain/loss (US\$)
Fund A	4595739	Sovereign debt	Denmark	G	0.0%	\$30,998.13	
Fund A	B563256	Private debt	Cayman Islands	G	0.0%		\$1,284,433.86
Fund A	B8SOTX3	Private debt	United States	G	0.0%	\$3,206,907.82	
Fund A	B8CHNW7	Publicly traded equity	Cayman Islands	G	0.0%	\$6,567.42	\$1,226,519.29
Fund A	B4PHNB5	Publicly traded equity	Bermuda	G	0.0%	\$6,567.42	\$1,226,516.37
Fund A	B99J925	Private debt	Canada	G	0.0%		(\$617,189.13)
Fund A	B89TOT2	Publicly traded equity	India	A	0% - 40%		\$1,074,909.20
Fund A	BFZ1MV7	Publicly traded equity	Greece	G	0.0%		\$4,473,467.12

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EY analysis						
tax information						
	Netting rule	Exchange	Industry	Total shares outstanding	Total value of shares held (%)	
Publicly traded equity are not subject to tax provided	Pursuant to domestic law, capital gains derived by a nonresident legal entity are tax-exempt. There is no obligation for submission of a nil capital gains tax return. Please obtain a tax residence certificate and keep it on record to substantiate the exemption in case of a tax audit.	The Stock Exchange of Hong Kong Ltd	Hotels, Motels & Cruise Lines	1,584,846,420	9.160%	
Security qualifies under:	Nonresident investors may net gains and losses incurred within the same year. Additionally, investors may carry over losses from any given month in order to offset gains realized in future month, provided they occur within the same calendar year. Any unused losses expire on December 31 of the calendar year for which they apply.		Telecommunications	66,068,762,125	6.065%	
as interest. Capital gain realized by a 2 months is subject to a 20% withholding tax. Not subject to Indonesian taxation unless the underlying sovereign bonds issued or offered	Pursuant to Ministry of Finance Regulation No. 7/PMK.11/2012, gain and loss netting/offset is allowed. That is, a loss arising from a sale transaction can deduct the interest income for the purpose of calculating the final income tax payable.	Xetra	Investment Management & Fund Operators	31,189,279	3.401%	

RSA provides the ability to create customized views of your investments



RSA provides results and insights based on client data

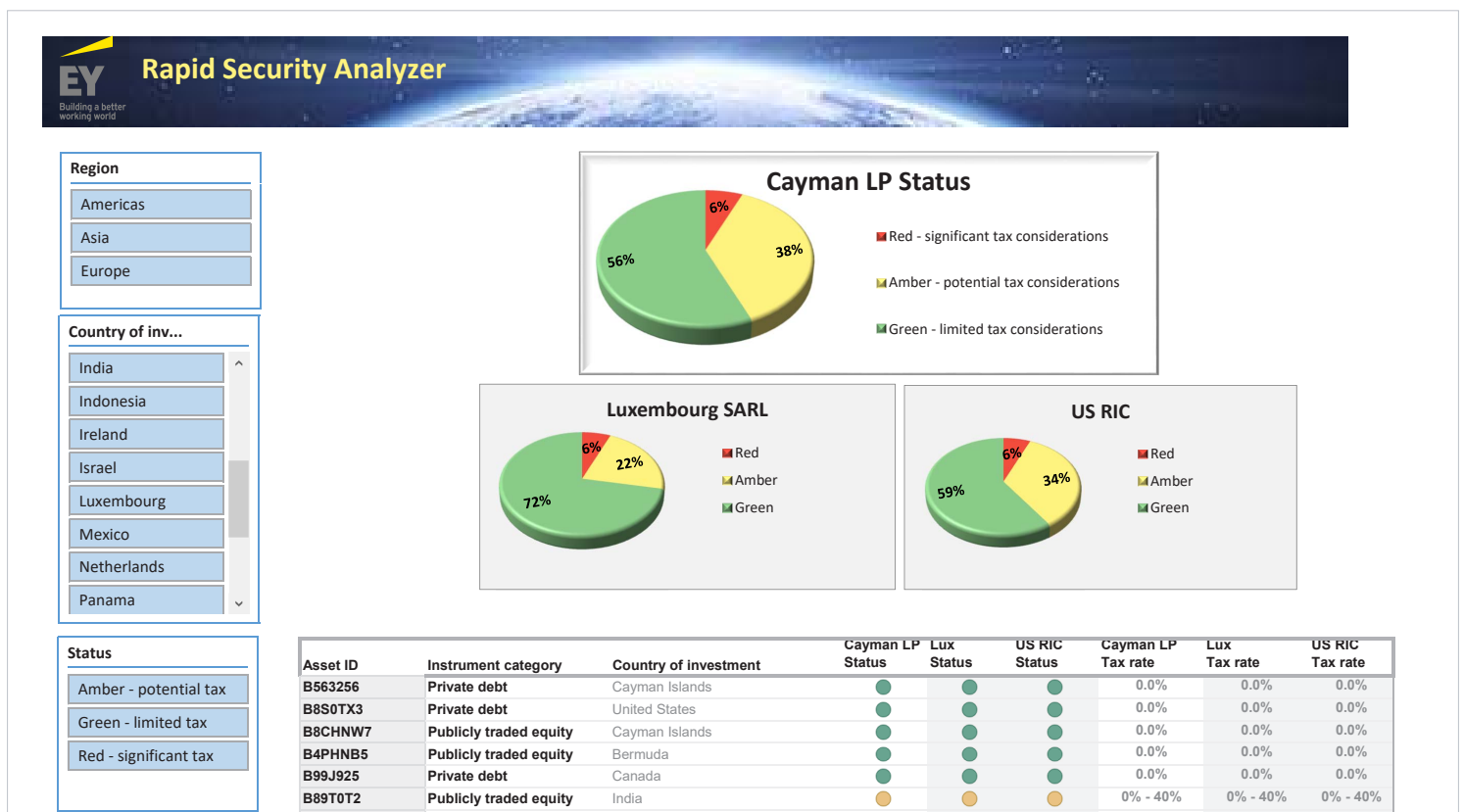
- ▶ Confirmation of client-provided information
- ▶ Capital gains, interest and dividend tax rates, rules and RAG status:
 - ▶ **Red:** significant tax considerations
 - ▶ **Amber:** potential tax considerations
 - ▶ **Green:** minimal tax considerations
- ▶ Information on industry, exchange, total number of shares outstanding and – where applicable – percentage ownership calculations for capital gains

Forward thinking and timely

Additional features

Side-by-side comparisons by fund type

What would be the effect on your tax rates and rules if you invested your current portfolio in another investor country (fund type) or if a different effective date applied?



Side-by-side comparisons by effective date

Historical date

1 July-31 December 2017

0%/25%
tax rate

vs.

Current date

1 January-20 June 2018

0%
tax rate*

Treaty signed.*

Experience and innovation

Ask us about other tax services to assist asset managers



Corporate Actions Tax Analyzer (CATA)

- ▶ Assists in identifying certain corporate actions that may affect taxable income
- ▶ Covers publicly traded US and foreign corporate equity securities
- ▶ Reports on each fund portfolio
- ▶ Gathers Forms 8937 that affect your holdings, including instances where companies report a return of capital



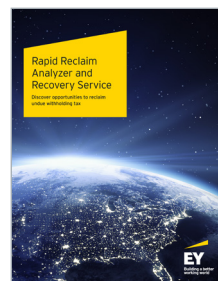
Global Withholding Tax Reporter (GWTR)

- ▶ Provides current and historical withholding tax information on portfolio dividends, interest, capital gains and mutual fund distributions within an online reference tool
- ▶ Includes withholding tax rates, rules and pending changes for 131 markets of investment and 211 markets of investors
- ▶ Offers detailed procedures for obtaining relief at source (RAS) or filing a reclaim



Passive Foreign Investment Company (PFIC) Analyzer

- ▶ Provides a one-stop source for quickly and consistently identifying PFICs and their most current status
- ▶ Reviews approximately 30,000 foreign equities annually
- ▶ Used by more than 90% of all US mutual funds



Rapid Reclaim Analyzer and Recovery Service

- ▶ Reviews foreign withholding tax at the instrument level to validate the withholding tax applied by the custodian based on the portfolio's domicile and entity type
- ▶ Provides a dedicated team to identify reclaimable withholding tax via a cost/benefit analysis, and to file and pursue viable claims with tax authorities until they are paid and provide advice on achieving RAS where applicable

Key Rapid Security Analyzer contacts

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