Introduction
Thomson Reuters is a world’s leading source of information for professionals in different sectors. The Library has subscribed to two financial databases (Reuters 3000Xtra and Reuters Knowledge for Investment Banking) from Thomson Reuters. They are comprehensive tools for news, data and financial information for listed companies in the world.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Reuters 3000Xtra</th>
<th>RKIB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Real-time Streaming data</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Data Coverage</td>
<td>All (Equities, FX, Treasury, Commodities)</td>
<td>Equity (mainly)</td>
</tr>
<tr>
<td>Reuters Excel/VBA Models</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Historical/Real-time data downloading to Excel</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Detail investment banks and brokers forecast’s/estimations</td>
<td>Limited</td>
<td>Yes/ in Detail</td>
</tr>
<tr>
<td>Companies financial reports, such as I/S, B/S and other which are exportable onto Excel</td>
<td>Limited</td>
<td>Yes/ in Detail</td>
</tr>
<tr>
<td>Running global stock portfolio based on fundamental data and estimated figures</td>
<td>Limited</td>
<td>Yes</td>
</tr>
<tr>
<td>Economic forecast and actual figures</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

Access to Reuters 3000Xtra

I. Standalone Stations
   a) Financial Trading Lab (Rm 4117, lift 19)
   b) Library Database Room (G/F)
   To Start: Windows Start > All Programs > Reuters 3000 Xtra > Reuters 3000 Xtra (Kobra)

II. Hosted Terminal (Web-version)
   a) Library Homepage (http://library.ust.hk) > Database > R (Alphabetical List)
   b) Follow the login instructions
   c) First-time users are required to install Citrix.
   d) Note: Not compatible on Mac.

If you have problems logging on to Reuters:
   a) Contact lbonline@ust.hk
                              http://library.ust.hk/info/db/rkib.html
**Get Started (Getgoing Page)**

A – Objects/Browsers (Quote, Graph, Quote List (Matrix), News, etc)

B – Model Browser

C – Support Helpdesk (Don’t call Helpdesk, contact lbref@ust.hk for questions on Reuters)

**Shortcuts:**

F2 – Matrix  F4 – Quote
F9 – News  F10 - Graph

**Reuters Instrument Code (RIC)**

A unique coding system used by Reuters to identify financial instruments (equities, indices, bonds, etc). For example:

- Stock --- HSBC Hong Kong : **0005.HK**
- Bond --- 10 Yrs US Treasury (Bond): **US10YT=**
- Exchange Rate --- Canadian Dollar VS Hong Kong Dollar: **CADHKD=R**
- All HSI constituents --- **0#.HSI** ( 0#.RIC is called a Chain RIC)

**How to Find Reuters Instrument Codes (RIC)**

1. Reuters Search Engine – “Search”
2. Reuters Speed Guide (Menu) – “Browse”

1. **Reuters Search Engine**

Question: What is the RIC for L’Oreal listed at Euronext Paris?

- On GetGoing page, Select
  
  ![Search](Image)

- Type **L’Oreal** in the search box > Click **Search**

- Select **Equities** in the Refine Results box

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![Image](Image)
Exercise One
A. What is the RIC of Singapore Airlines listed at Singapore Stock Exchange?
B. What is the RIC for an IBM bond, Coupon=6.625%, Maturity=30/1/2014?
C. What is the RIC for Hang Seng Index

[Hint: Select a particular instrument type such as Equities, Debt, FX & Money, etc to limit your search]

Advanced Search
Stock Screening – select stocks that meet your own criteria.
For example: Search for banks listed at SGX or HKEx with Market Capitalization > USD 1000 million

- On GetGoing page (HOME)
- Select or Search
- Select Equities tab
- In GICS (Global Industry Classification Standard) Sector, choose Financials > Banks > click Add > OK
- Select Singapore Exchange Securities Trading Ltd and The Stock Exchange of Hong Kong Ltd in the Exchange field > OK
- Click on Add/Remove Criteria
- Select Market Capitalization in the Available Items box > Click Add > OK
- Set your parameters (i.e. Market Cap > 1000)
- Click Search

Exercise Two
A. Find all “Oil & Gas” companies listed at Shanghai Stock Exchange with PE (Price Earnings Ratio) < 15

How to Export Your Result to a Matrix (Quote List)?
A Matrix allows you to view quotes for a portfolio of instruments.

- On the Getgoing Page, select File > New > Flex Document
- Select Quote List in the window
- On your search result page, click Create List > Select All > Send: Selection (note: you can only export one page per time)
- You can also change the Matrix Template. Select Template > Equities
You can also look for RICs on Reuters Speed Guide, it is very useful for searching “multiple RICs” (e.g. all Asian indices). You can find the data either by Market or Country/Area.

- For example: How to get all major Japanese Exchange indices
  - Press F4 to open a Quote browser
  - Type Reuters in the Command Line to get the Speed Guide
  - Double click on <COUNTRIES>, <JAPAN>, <JP/INDICES1>,

**Exercise THREE**
A) Find all major Hong Kong Stock Exchange indices?

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**FLEX & Objects (Quote, News, etc)**
You can design your own screen on FLEX,
- **Home > File > New > Flex Document**
- **Select Quote**
- **Type 0005.HK in the Command Line**
- **Here, you can retrieve the latest trading information.**

[Note: /0005.HK is a delayed quote. Also try .HSI and 0#.HSI]

- **Right-click on the Quote browser to get the Menu for related options (e.g. Related Company Data)**
Related Company Data
Cover company information includes ratios, estimates, financial statements, dividend history, ownership, etc.

To export company information, e.g.:
- Select Reports > Cash Flow > Click on Export data to Excel icon

MetaStock Chart
A very powerful tool for technical analysis
- On a Quote, insert Chart (or Press F10)
- Type 0005.HK in the Command Line
- Select Range ▼ to change the data period (e.g. ALL)
- Use Daily ▼ to change the frequency (daily, monthly, etc)

A. To change chart pattern (e.g. Candlestick)
   - Select any OHLC bar to activate
   - Select CandleStick

B. To insert an Analysis (e.g. MACD)
   - Select Analysis
   - Select MACD > Add

How to Export Data Points from the Graph to a Spreadsheet?

PowerPlus Pro (PPP)
PPP is an Excel Add-in for Reuters 3000 Xtra. To open PPP,
- Select Windows Start > All Programs > Reuters 3000 Xtra > PowerPlus Pro
- Click to select the data point on the bar
- To move the chart data to PPP, do a Drag-n-Drop.
PowerPlus Pro - Time Series Data for Multiple Stocks
How to get historical monthly prices for the following stocks from 01/01/2005 to 12/31/2007?
- Sony Corp. and Nintendo (Tokyo Stock Exchange) & Google and Microsoft (NASDAQ)
- You need: (a) Find the RICs, and (b) Extract the Data

a) RICs Lookup
1. On PPP, open a new worksheet
2. Select Reuters > Find Reuters Data (you will open the Reuters Search)
3. Search the RICs by company name and limit by the exchange.
4. Write down the RICs.

b) How to Extract Historical Prices?
1. On PPP
2. Select Reuters > Assistant > Time Series Data
3. Type 6758.T in the Code box > Add
4. Add all the other RICs
5. Click Next > Last Trade folder > 1M
6. Select TIMESTAMP and CLOSE > Next
7. Set the Start Date (01/01/2005) and End Date (12/31/2007) > Next
8. Uncheck Timestamp Repeat if necessary
9. Click Finish

*** To use PowerPlus Pro on Hosted Terminal (Web), select Tools > PowerPlus Pro on to Kobra.

Economic Indicators - Quick Chart Browser
Reuters 3000Xtra also provides historical economic indicators (e.g. HKSAR unemployment rate):
- On Getgoing page, select File > New > Flex Document > More > Quick Chart > Economic Indicator Chart.
- Look for Hong Kong and Unemployment Rate.
- Change to Absolute Values in Analysis Settings box,
- Click on the Replace button (Chart & Data).

Need Help?
- If you have any question on Reuters, please contact our Reference Librarian (lbref@ust.hk)
- Database Search Guide is also available on http://library.ust.hk/info/db/reuters.html