

## **Group Risk Management**

May 10, 2010

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# **NOMURA**

**Risk Management** 



## **Agenda**

Risk Management Framework - 4 Pillars
Risk Appetite
Economic Capital Analysis
Illiquid Asset Analysis

### 1. Risk Management Framework - 4 Pillars

Risk Governance Single golden source database

- Global best practice
- Independent reporting line to the CEO
- Board level presentation
- Global matrix management structure
  - Regional CROs
  - Global Functional Heads (Market Risk, Credit Risk, Operational Risk, New Products, Information Technology)

Risk Infrastructure

**Risk Control** 

- Incorporation of stress tested limits

Comprehensive limit framework

Limits relevant to hierarchy nodes

Establishment of Firm Risk Appetite

Common technology architecture

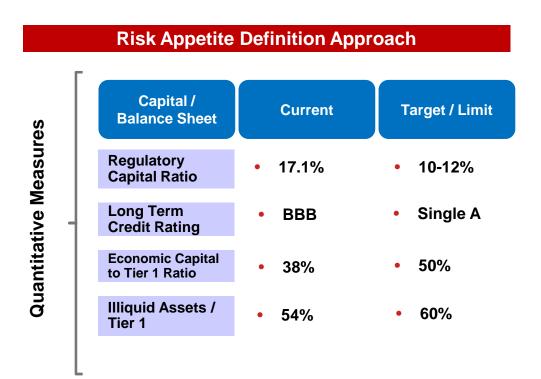
- Top down capital allocation
- Limits consistent with Capital Allocation

Risk Measurement



### 2. Risk Appetite

■ The Group Integrated Risk Management Committee determines Nomura's risk tolerance. Risk tolerance is quantified through Risk Management's Economic Capital methodology. Capital is allocated to the businesses through an allocation of Economic Capital.

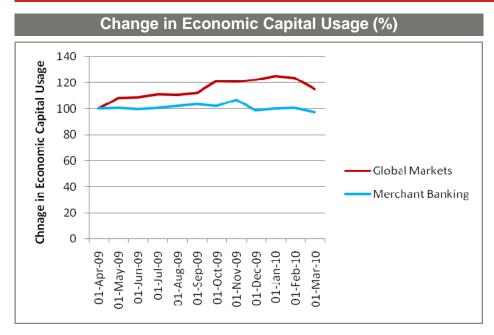


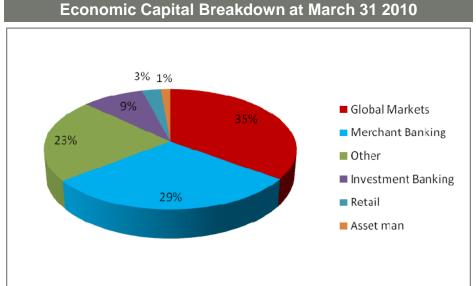
#### **Economic Capital Definition**

- Economic Capital quantifies the capital required to cover unexpected losses across all risk types
- Economic Capital calculates a 1 year potential loss due to adverse changes at a 99.95% confidence level
- Allows synthesis of differing risk types

### 3. Economic Capital Analysis

### **Economic Capital By Business Line**



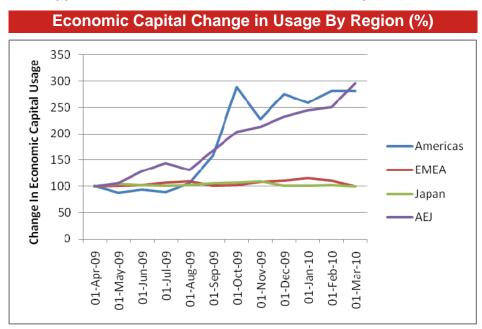


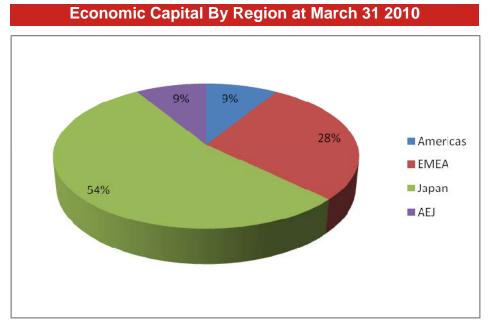
- Increase in Global Markets economic capital usage.
- Decrease in Merchant Banking economic capital usage.
- Merchant Banking balance sheet \$4.2bb
- Investment Banking balance sheet \$1.5bb
- Other balance sheet \$1.7bb



### **Economic Capital Analysis**

Japan continues to have the largest utilization of Economic Capital, while EMEA is the second largest contributor as a result of the Lehman acquisition. However, since 2009, Japan's Economic Capital has been trending down, as capital is reallocated to support the build out in the US and Asia ex-Japan:

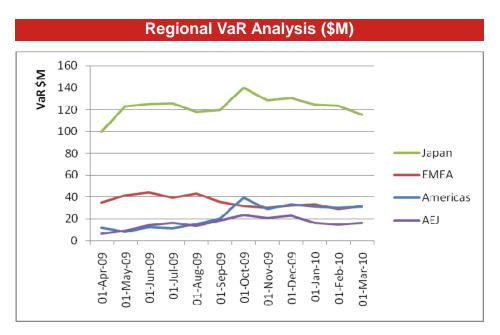


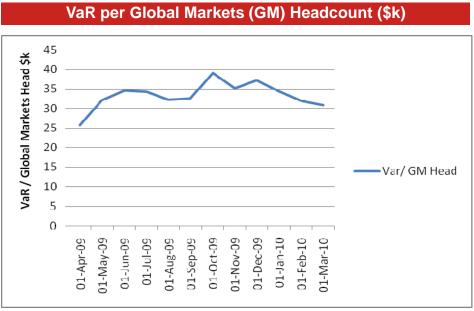




### VaR Analysis by Region and Headcount

- Global Markets VaR in both Japan and EMEA has been decreasing as capital is deployed to the US and Asia ex-Japan.
- Since October 2009, the total VaR per Global Markets headcount has declined by 20%.

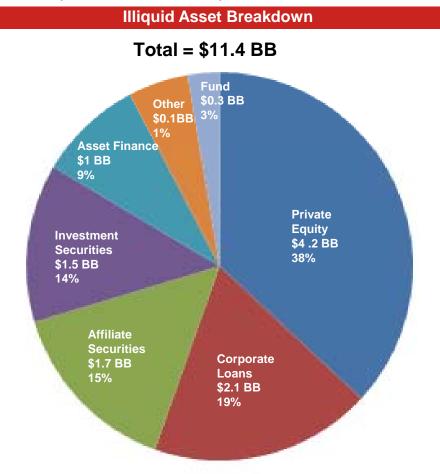


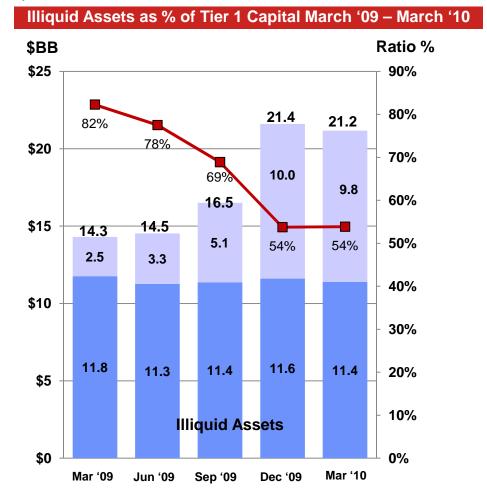




### 4. Illiquid Assets Analysis

As of 3/31/2010, Nomura's illiquid assets totaled \$11.4BB, down from \$11.8BB a year ago. However, over this period, Nomura's Tier 1 capital has increased by \$6.9BB from \$14.3BB to \$21.2BB from the capital raises and earnings growth. This means that the illiquid assets to Tier 1 capital ratio has decreased dramatically from 82% to 54%:





### **Cash Capital Funding of Level 3 and Illiquid Assets**

Level 3 and Illiquid Assets at 31 March 2010

Shareholder equity

Cash capital funding > 1 year

Total cash capital

Level 3 and Illiquid Assets = 18.79

Total cash capital

Yen 5.056tn

Yen 1.342tn

Yen 2.126tn

Yen7.182tn \$76.77bn

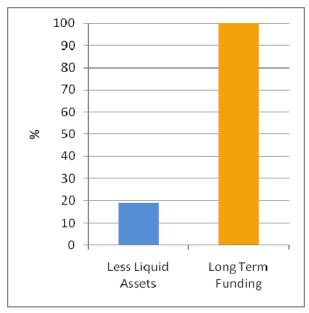
\$14.34bn

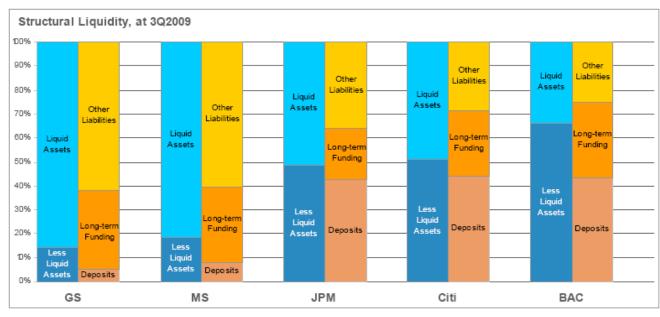
\$22.73bn

\$54.05bn

FX rate 93.546

#### Nomura as at March 31 2010





Source – special comment – An update – Ratings Challenges and Rations for Wholesale Investment Banks - Moody's Global Banking December 2009

### **NOMURA**

Nomura Holdings, Inc. www.nomura.com/