

Comments on Matti Hellqvist's: Implicit Intraday Limits in Large Value Payment Systems

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August 25, 2008



Research questions

- ▶ Do participants in RTGS systems place implicit counterparty limits (ICL)?
 - ▶ Yes, anecdotal evidence, T2 has explicit limits
- ▶ What is the rationale behind the ICL?
 - ▶ Internal queuing \Rightarrow credit risk exposures
 - ▶ Liquidity management \Rightarrow strategic delay
- ▶ Can we estimate/indirectly observe ICL?
 - ▶ Proposed using tail statistics of bilateral balance distributions
- ▶ How do we prove tail statistics are good ICL estimators?
Proposed tests based on:
 - ▶ Counterparty risk measure effects (DD, IS)
 - ▶ "Confidence" or "reciprocity" effects (incoming payments TV)



Results

- ▶ Daily estimates of ICL seem a very volatile process
- ▶ No difference in the "model" explanatory power for different ICL estimators
- ▶ Daily analysis: Only TV significant and with expected negative sign
- ▶ Monthly analysis: 50.5% ICL series fail to reject unit root test
- ▶ Some evidence of a positive correlation between IS and ICL estimates
- ▶ No correlation between estimates of ICL and overnight positions



Comments: analytical framework

- ▶ Better context to support ICL as a common practice.
- ▶ Better describe the control process of intraday liquidity management and the rationale for ICL
 - ▶ Multiparty commitments
 - ▶ Priorization, delay
 - ▶ Payment flow volatility
 - ▶ Reciprocity
 - ▶ Dynamic vs static limits (e.g based on incoming payments like the receipt-reactive settlement system)
- ▶ Counterparty risk vs liquidity risk?



