

































k-value:	High k-value	Low k-value (EU=Effective underwriter IU=Ineffective u.)	
(observable)			
Quality			
(unobservable)			
		(i) EU:	(ii) IU
High Quality	Use Uninsured Rights	Use	Don't
		Standby	issue
(under varueu)		rights	
		(i) EU:	(ii) IU:
Low Quality	Use Uninsured	Don't	Use
(overvalued)	Rights	issue	Standby
(overvalued)			Rights
Market	No Adverse	(i) EU:	(ii) IU:
Inferences/	selection (AS) /	Positive	High AS
Ann.effect (AR)	AR = 0	selection	AR<0
55 ()		AR>0	











Figure 1 The sequential game between equity issuers and investors

Issuers select the flotation method which maximizes the net issue benefit for current shareholders. The menu of flotation methods include uninsured rights offering, rights offering with standby underwriting, and private placement. In a private placement and a standby underwritten offering, the issuer undergoes a noisy but informative quality inspection, followed by "offerprice bargaining". The result of the inspection is private information, but the underwriter/private placement investor know whether they inspect first or second. If an inspection falsely concludes the issuer is of the low type, no offer price is acceptable to both the issuer and the investor, and offerprice bargaing fails. The issuer then moves on to the next subgame. The issue game ends if offerprice bargaining succeeds, or if either the "no issue" or the "uninsured rights" nodes are chosen.



Figure 2 Illustration of Pareto dominating equilibria.

This figure uses a numerical example. The horizontal axis plots shareholder takeup k. The vertical axis plots total expected issue cost C(k) for each of three alternative issue strategies. C(k)—which is linear in k—incorporates the issuer's participation constraint. The steepest line is C(k) for the "move straight to uninsured rights and issue" strategy $\{ur\}$. The middle line is C(k) for the strategy "start with standby rights, and if rejected try private placements, and if rejected again issue using uninsured rights" $\{sr, pp, ur\}$. The third and most horizontal line is C(k) for the "start with private placement, and if rejected try standby rights, and if rejected again issue using uninsured rights" strategy $\{pp, sr, ur\}$.

The critical values of k are denoted k_{pp} and k_{sr} . The optimal issue strategy is one that minimizes C(k) conditional on k, i.e., the inner envelope of the three separate cost curves. Thus, it is an equilibrium for all issuers with shareholder takeup less than the critical value of $k_{pp} = 0.51$ to attempt a private placement first. When k is between $k_{pp} = 0.51$ and $k_{sr} = 0.62$, the equilibrium strategy is to attempt a standby rights offering first, while all issuers with k greater than $k_{sr} = 0.62$ go directly to the uninsured rights offer.



Expected Issue Costs