Convertible Bonds

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http://www.barcap.com/cbonds



Barclays Capital Convertible Bonds...

- Introduction to Convertibles
- Features; Terms and Conditions; Definitions; Payoff and Value Profiles
- Issuers and Investors
- Traditional Valuation Models
- Extended Valuation Models
- Non-Standard Features; Modelling Challenges



Convertibles: Introduction...

- Convertible bond: corporate bond that can be (irrevocably) converted into the issuer's shares at the bondholder's option
- Exchangeable bond: same, but convertible into shares of a different entity, e.g. sale of a minority stake, parent into a subsidiary, or holding company into an operating company
- Convertibles are 'hybrid' securities, i.e. with debt and equity characteristics: this is reflected in their issuance, investor base, valuation/risk profiles and accounting/regulatory/credit treatments
- They are also derivatives: bondholder usually has an 'American'-style call option on the shares: 'strike' = value of remaining fixed cash flows



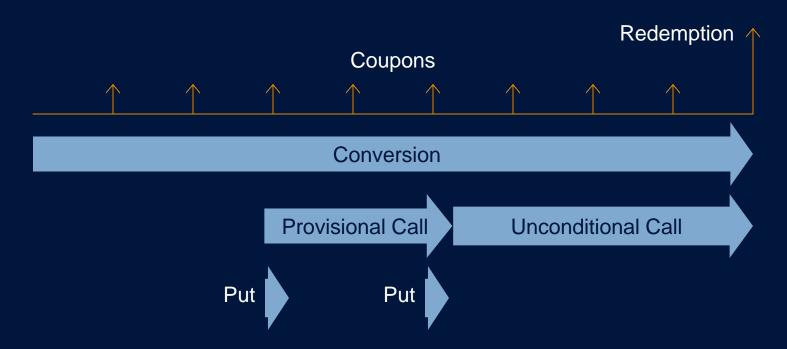
Convertibles: Key Features...

- Deal info: issuer, underlying, size, currency, yield, premium, etc.
- Structure: calls, puts, conversion terms, coupon/dividend rights
 - Calls: issuer's call option to repurchase their bonds at a specified price (or yield), normally from several years after issue until maturity ('American'); for some/all of this time, call may be provisional, i.e. underlying share price must exceed a 'trigger'
 - Puts: holder's put option to sell bonds back to issuer at a specified price (or yield), less common than calls, and normally on a few discrete dates during the life of the bond ('Bermudan')



Convertibles: Example...

 Nine-year convertible, callable subject to trigger after year four and unconditionally after year six, puttable on the third and fifth anniversaries





Convertibles: Terms and Conditions...



BREAKING NEWS

e.g. "XYZ plc will issue USD1.25bn of 10-year convertibles" (Reuters, Bloomberg, brokers).

Not enough detail for valuation, but enough to register interest (or not!) and underlying stock may be sold off.

INDICATIVE TERMS

Lead managers send out term sheets: a couple of pages of key terms (e.g. yield, convertibility, calls, puts, credit status).

Enough for general valuation/risk, and 'grey' market trading.

LEGAL DOCUMENTS FINAL TERMS

Prospectus: available from lead managers. Hundreds of pages of legal/regulatory info, terms and conditions.

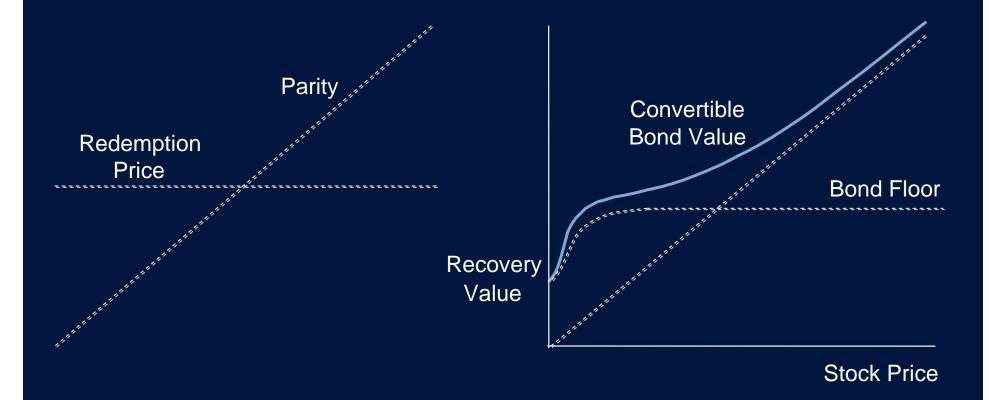
Trust Deeds: ultimate legal recourse, if need be. Held by Trustees.



Convertibles: Definitions...

- Conversion ratio: number of shares into which one bond converts
- Parity: conversion ratio x spot share price (x spot exchange rate)
- Conversion premium: (convertible price parity) / parity; also, the extra amount an investor must pay to own shares via the convertible
- Bond floor or investment value: net present value of the fixed cash flows of the convertible, maximised for early redemptions (puts)





Source: Barclays Capital.

