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Volume 12, 2006 - [Issue 1](#)

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WACC and a generalized tax code

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Pages 33-40 | Published online: 08 Feb 2011

Cite this article <https://doi.org/10.1080/1351847042000304125>

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Abstract

Valuation of firms is generally based on the WACC approach which typically neglects personal income taxes. This paper extends this approach to incorporate personal income taxes and develop a generalized valuation formula which can be used for any taxation system. The approach is illustrated for four different taxation systems highlighting the importance of considering personal taxes.

Keywords:

WACC

tax shield

imputation system

Acknowledgements

We thank Jörg Laitenberger, Christoph Haehling von Lanzenauer and an anonymous referee for valuable suggestions and comments. Financial support by Verein zur Förderung der Zusammenarbeit von Lehre und Praxis am Finanzplatz Hannover e.V. is gratefully acknowledged.

Notes

1. This particular feature of the German tax system is also used in Austria and France. In Italy, a 60% exemption will be available for dividends paid.
2. The following description of the national tax codes were taken from Internal Revenue Service ([2004](#)), Inland Revenue ([2004](#)), Canada Revenue Agency ([2004](#)), KPMG ([2004a](#)), KPMG ([2004b](#)) and Canefield ([1999](#)).
3. There is a reduced tax rate for manufacturing firms ranging from 27% to 38%.

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