

SPECTRUM AUCTIONS AND COMPETITION IN TELECOMMUNICATIONS

edited by **Gerhard Illing** and **Ulrich Klüh**

CESifo Seminar Series

Spectrum Auctions And Competition In Telecommunications

Roman Wölfel



Spectrum Auctions And Competition In Telecommunications:

Spectrum Auctions and Competition in Telecommunications Gerhard Illing, Ulrich Klüh, 2003-12-23 Leading experts in industrial organization and auction theory examine the recent European telecommunication license auction experience. In 2000 and 2001 several European countries carried out auctions for third generation technologies or universal mobile telephone services UMTS communication licenses. These spectrum auctions inaugurated yet another era in an industry that has already been transformed by a combination of staggering technological innovation and substantial regulatory change. Because of their spectacular but often puzzling outcomes these spectrum auctions attracted enormous attention and invited new research on the interplay of auctions industry dynamics and regulation. This book collects essays on this topic by leading analysts of telecommunications and the European auction experience all but one presented at a November 2001 CESifo conference. Comments and responses are included as well to preserve some of the controversy and atmosphere of give and take at the conference. The essays show the interconnectedness of two important and productive areas of modern economics auction theory and industrial organization. Because spectrum auctions are embedded in a dynamic interaction of consumers firms legislation and regulation a multidimensional approach yields important insights. The first essays discuss strategies of stimulating new competition and the complex interplay of the political process regulation and competition. The later essays focus on specific spectrum auctions. Combining the empirical data these auctions provide with recent advances in microeconomic theory they examine questions of auction design and efficiency and convincingly explain the enormous variation of revenues in different auctions.

Spectrum Auctions and Competition in Telecommunications Gerhard Illing, Ulrich Klüh, 2002

Wireless Services, Spectrum Auctions, and Competition in Modern Telecommunications Thomas James Duesterberg, Peter K. Pitsch, Hudson Institute, 1997

[OECD Review of Telecommunication Policy and Regulation in Colombia](#) OECD, 2014-04-09 This report reviews policies and regulations in the telecommunication service sector in Colombia. It puts forward recommendations aimed at furthering regulatory reform and stimulating market competition and investment in the sector.

Spectrum Auctions Geoffrey Myers, 2023-02-15 Access to the radio spectrum is vital for modern digital communication. It is an essential component for smartphone capabilities, the Cloud, the Internet of Things, autonomous vehicles, and multiple other new technologies. Governments use spectrum auctions to decide which companies should use what parts of the radio spectrum. Successful auctions can fuel rapid innovation in products and services, unlock substantial economic benefits, build comparative advantage across all regions, and create billions of dollars of government revenues. Poor auction strategies can leave bandwidth unsold and delay innovation, sell national assets to firms too cheaply, or create uncompetitive markets with high mobile prices and patchy coverage that stifles economic growth. Corporate bidders regularly complain that auctions raise their costs while government critics argue that insufficient revenues are raised. The cross national record shows many examples of both highly successful auctions and miserable failures. Drawing

on experience from the UK and other countries senior regulator Geoffrey Myers explains how to optimise the regulatory design of auctions from initial planning to final implementation Spectrum Auctions offers unrivalled expertise for regulators and economists engaged in practical auction design or company executives planning bidding strategies For applied economists teachers and advanced students this book provides unrivalled insights in market design and public management Providing clear analytical frameworks case studies of auctions and stage by stage advice it is essential reading for anyone interested in designing public interested and successful spectrum auctions *Using Spectrum Auctions to Enhance Competition in Wireless Services* Peter Cramton,Evan Kwerel,Gregory L. Rosston,Andrzej Skrzypacz,2014 Spectrum auctions are used by governments to assign and price licenses for wireless communications Effective auction design recognizes the importance of competition not only in the auction but in the downstream market for wireless communications This paper examines several instruments regulators can use to enhance competition and thereby improve market outcomes **Taxing Telecommunications in Developing Countries** Ms.Thornton Matheson,Patrick Petit,2017-11-15 Developing countries apply numerous sector specific taxes to telecommunications whose buoyant revenues and formal enterprises provide a convenient tax handle This paper explores whether there is an economic rationale for sector specific taxes on telecommunications and if so what form they should take to balance the competing goals of promoting connectivity and mobilizing revenues A survey of the literature finds that limited telecoms competition likely creates rents that could efficiently be taxed We propose a pecking order of sector specific taxes that could be levied in addition to standard income and value added taxes based on capturing rents and minimizing distortions Taxes that target possible economic rents or profits are preferable but their administrative challenges may necessitate reliance on service excises at the cost of higher consumer prices and lower connectivity Taxes on capital inputs and consumer access which distort production and restrict network access should be avoided so should tax incentives which are not needed to attract foreign capital to tap a local market Empirical Evidence for Policy in Telecommunication, Copyright & Broadcasting Joost J. Poort,2025-10-01 This dissertation contains nine articles with an empirical focus in copyright telecommunication and broadcasting and investigates the role and impact of economic evidence for policymaking in the field of information law *India Weekly Telecom News November 27, 2009* , **Federal Register** ,1997-07-09 Where Do We Go from Here? Coleman Bazelon,Perry Beider,David Moore,1997-07 Auctions of licenses to use the radio spectrum conducted by the FCC from 1994 98 will yield 27 billion in receipts to the U S treasury The initial success has generated interest in the use of auctions to raise additional receipts and enhance the value of the spectrum to society This study examines the results of the initial FCC auctions the general outlook for future auctions and the applicability of auctions to the intro of digital broadcast TV It also considers the prospects for using auctions and other market mechanisms not only in assigning licenses to specific users but also in allocating frequencies to different uses Charts and tables Journal of Economic Literature ,2004 **Congressional**

Record United States. Congress,1995 **Spectrum Auctions** Geoffrey Myers,2023 *Empirical Studies of the Market for Broadband Personal Communications Service Spectrum in the US* Andraz Kavalari,2014 Recent proposals to limit the participation of Verizon Wireless and AT T in the upcoming broadcast TV spectrum incentive auction have rekindled the debate on the interactions between auction design and competition policy Existing literature analyzes the efficiency of spectrum auctions by focusing on auction outcomes noticing that there is little immediate post auction resale in the secondary market for spectrum However the effects of specific pro competitive auction policies on the market structure can only be fully understood by considering long run market outcomes This dissertation provides a historical overview of the market for broadband PCS spectrum and then documents the construction of a unique and first comprehensive dataset of firms spectrum licenses holdings I then use this dataset to investigate the long term effects of auction restrictions similar to the ones recently proposed I document how eligibility restrictions for entrepreneurs in the early years of the market for broadband PCS spectrum initially create two separate markets the gradual opening of the restricted market and its eventual convergence with the unrestricted one Second and contrary to the existing literature the detailed nature of my data shows there was a significant level of market activity immediately following the auctions a portion of which can be attributed to specific preferential treatment policies used To investigate the actual transition of restricted spectrum from entrepreneurs to large companies my identification strategy uses the institutional design of eligibility restrictions resulting in considerable differences in the observed build out behavior of entrepreneurs and large companies While the latter have no incentive to meet the construction requirements ahead of time doing so allows entrepreneurs to potentially sell their licenses to large companies Results show a consistent pattern of entrepreneurs building out their licenses early only to immediately sell them to large companies By first constructing a unique spectrum license dataset and then exploring the effects of preferential treatment provisions used in spectrum auctions for PCS licenses this dissertation provides evidence that these provisions did not achieve their long run goal in terms of the desired market structure Instead there is strong evidence of opportunistic behavior of entrepreneurs who get pulled in because of eligibility restrictions and then quickly resell their licenses to large companies In general it appears the presence of secondary markets undoes the outcomes generated in auctions and desired by the policymaker Because of this FCC should consider regulating secondary markets in line with their existing regulatory practices rather than imposing auction restrictions i e regulating auctions

Telecommunications Regulatory Environment in APEC Member Economies Asia Pacific Economic Cooperation (Organization). Telecommunications Working Group,1996 Telecommunications Deals Howard Chatzinoff,Harvey I. Saferstein,Walter Sapronov,1999

Spectrum Auctions United States. Congress. House. Committee on Energy and Commerce. Subcommittee on Telecommunications, Consumer Protection, and Finance,1987 *Competition and Choice* Great Britain. Department of Trade and Industry,1990 **World Telecommunication Development Report 1995** International Telecommunication

Union,1995

This book delves into Spectrum Auctions And Competition In Telecommunications. Spectrum Auctions And Competition In Telecommunications is a crucial topic that needs to be grasped by everyone, ranging from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Spectrum Auctions And Competition In Telecommunications, encompassing both the fundamentals and more intricate discussions.

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 - Chapter 3: Spectrum Auctions And Competition In Telecommunications in Everyday Life
 - Chapter 4: Spectrum Auctions And Competition In Telecommunications in Specific Contexts
 - Chapter 5: Conclusion
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6. In chapter 5, this book will draw a conclusion about Spectrum Auctions And Competition In Telecommunications. This chapter will summarize the key points that have been discussed throughout the book.

The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Spectrum Auctions And Competition In Telecommunications.

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